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#### MURIEL BOWSER MAYOR

SEP 2 7 2018

The Honorable Phil Mendelson Chairman Council of the District of Columbia 1350 Pennsylvania Avenue, NW, Suite 504 Washington, D.C. 20004

#### Dear Chairman Mendelson:

Enclosed for consideration and approval by the Council of the District of Columbia is a bill entitled the "Synthetics Abatement and Full Enforcement Drug Control Amendment Act of 2018," and the accompanying emergency declaration, temporary, and permanent versions.

The existing drug classification system has made it difficult to make arrests and move forward with prosecutions for crimes related to the production and sale of synthetic drugs, such as synthetic cannabinoids and synthetic opioids. The District has seen a recent and sustained spike in the number of overdoses caused by these synthetic drugs. According to Fire and Emergency Medical Services (FEMS), from April 1, 2018 through September 23, 2018, FEMS treated or transported more than 1,660 patients to hospitals for symptoms consistent with synthetic drug overdoses. The strain on our emergency response systems, including ambulances and emergency rooms – is significant.

The District must ensure that its laws keep up with scientific advances that allow the mass production of these dangerous chemical compounds. This legislation broadens the classification of what constitutes a prohibited synthetic drug and will allow law enforcement and prosecutors to go after the drug dealers who are bringing these deadly drugs into our communities.

If you have any questions on this matter, please contact Kevin Donahue, Deputy Mayor for Public Safety and Justice at (202) 286-5028.

Sincerely,

Muriel Bowse



A BILL IN THE COUNCIL OF THE DISTRICT OF COLUMBIA To amend, on a temporary basis, the District of Columbia Uniform Controlled Substances Act of 1981 to add certain classes and substances to the list of Schedule I controlled substances. BE IT ENACTED BY THE COUNCIL OF THE DISTRICT OF COLUMBIA, That this Act may be cited as the "Synthetics Abatement and Full Enforcement Drug Control Temporary Amendment Act of 2018". Sec. 2. The District of Columbia Uniform Controlled Substances Act of 1981, effective August 5, 1981 (D.C. Law 4-29; D.C. Official Code § 48-901.01 et seq.), is amended as follows: (a) Section 102(27) (D.C. Official Code§ 48-901.02(27)) is amended as follows: (1) Strike the phrase "as used in section 204(3) and section 206(1)(D)" and insert the phrase "as used in section 204(3), (5), and (6) and section 206(1)(D)" in its place. (2) Strike the phrase "As used in section 204(3)" and insert the phrase "As used in section 204(3), (5), and (6)" in its place. (b) Section 204 (D.C. Official Code § 48-902.04) is amended as follows:

33	(1) Paragraph (3) is amended as follows:
34	(A) The lead-in language is amended by striking the phrase "(for
35	purposes of this paragraph only, the term "isomer" includes the optical, position, and
36	geometric isomers)".
37	(B) New subparagraphs (G-i) through (G-xxii) are added to read as
38	follows:
39	"(G-i) 25I-NBOMe (also known 4-iodo-2,5-dimethoxy-N-[(2-
40	methoxyphenyl)methyl]-benzeneethanamine);
41	"(G-ii) 25B-NBOMe (also known as 2-(4-bromo-2,5-
42	dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine);
43	"(G-iii) 25C-NBOMe (also known as 2-(4-chloro-2,5-
44	dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine);
45	"(G-iv) 5-APB (also known as 1-(benzofuran-5-yl)propan-2-amine);
46	"(G-v) 5-APDB (also known as 1-(2,3-dihydrobenzofuran-5-
47	yl)propan-2-amine);
48	"(G-vi) 6-APB (also known as 1-(1-benzofuran-6-yl)propan-2-amine)
49	"(G-vii) 6-APDB (also known as 1-(2,3-dihydrobenzofuran-6-
50	yl)propan-2-amine);
51	"(G-viii) 3-methoxy-PCE (also known as N-ethyl-1-(3-
52	methoxyphenyl)cyclohexanamine);
53	"(G-ix) 3-methoxy-PCP (also known as 1-[1-(3-
54	methoxyphenyl)cyclohexyl]piperidine);
55	"(G-x) 4-methoxy-PCP (also known as 1-[1-(4-

30	methoxyphenyl)cyclonexyl]piperidine);
57	"(G-xi) 5-MeO-DALT (also known as N,N-diallyl-5-
58	methoxytryptamine);
59	"(G-xii) 4-AcO-DMT (also known as 5-acetoxy-N,N-
60	dimethyltryptamine);".
61	(C) A new subparagraph (M-i) is added to read as follows:
62	"(M-i) Methoxetamine (also known as 2-(ethylamino)-2-(3-
63	methoxyphenyl)cyclohexanone);".
64	(D) Subparagraph (JJ) is amended by striking the word "and".
65	(E) Subparagraph (KK) is amended by striking the phrase "(2C-
66	P);" and inserting the phrase "(2C-P); and" in its place.
67	(F) A new subparagraph (LL) is added to read as follows:
68	"(LL) Cathinone;".
69	(2) Paragraph (5) is amended to read as follows:
70	"(5) As used in this paragraph, the term "synthetic cathinones" includes
71	any material, compound, mixture, or preparation that is not otherwise listed as a
72	controlled substance in this schedule or in Schedules II through V, is not approved by
73	the Food and Drug Administration as a drug, and is structurally derived from or
74	contains any quantity of the following substances, their salts, isomers, homologues,
75	analogues, and salts of isomers, homologues, and analogues, unless specifically
76	excepted, whenever the existence of these salts, isomers, homologues, analogues, and
77	salts of isomers, homologues, and analogues is possible within the specific chemical
78	designation:

/9	(A) Classified Synthetic Cathinones:
80	"(i) Cathinones. Any compound, other than
81	methylnenedioxy cathinones and pyrrolidine cathinones, containing a 2-amino-1-
82	propanone structure with substitution at the 1-position with a monocyclic ring system,
83	with or without alkyl, alkoxyl, or halo substitutions, and a substitution at the nitrogen atom
84	by an alkyl group, cycloalkyl group, or incorporation into a heterocyclic structure.
85	Examples of this structural class include:
86	"(I) Mephedrone, also known as:
87	"(aa) 2-(methylamino)-1-(4-methylphenyl)-l-
88	propanone;
89	"(bb) 4-MeMC;
90	"(cc) 4-Methylmethcathinone;
91	"(dd) 4-Methylephedrone; or
92	"(ee) 4-MMC;
93	"(II) Dimethylcathinone, also known as:
94	"(aa) 2-(dimethylamino)-1-phenyl-l-propanone;
95	or
96	"(bb) N,N-Dimethylcathinone;
97	"(III) Ethcathinone, also known as:
98	"(aa) 2-(ethylamino)-1-phenyl-1-propanone;
99	"(bb) Ethylcathinone;
100	"(cc) N-Ethylcathinone; or
101	"(dd) 2-Ethylaminobuphedro;

102	"(I	V) Buphedrone, also known as:
103		"(aa) 2-(methylamino)-1-phenylbutan-1-one; or
104		"(bb) MABP;
105	"(*	V) 3,4-DMMC, also known as:
106		"(aa) 1-(3,4-dimethylphenyl)-2-(methylamino)-1
107	propanone; or	
108		"(bb) 3,4-Dimethylmethcathingne;
109	"(7	VI) EMC, also known as:
110		"(aa) 1-(4-ethylphenyl)-2-(methylamino)propan-
111	1- one;	
112		"(bb) 4-EMC; or
113		"(cc) 4-Ethylmethcathinone;
114	"(*)	VII) Fluoromethcathinone (also known as 1-(4-
115	fluorophenyl)-2-(methylamino) prop	an-1-one);
116	"(7	VIII) 3-FMC, also known as:
117		"(aa) 3-fluoro-N-methylcathinone); or
118		"(bb) 1-(3-fluorophenyl)-2-
119	(methylamino)propan-1- one;	
120	1)"	X) 4-FMC, also known as:
121		"(aa) 1-(4-fluorophenyl)-2-
122	(methylamino)propan-1- one;	
123		"(bb) 4-fluoro-N-methylcathinone; or
124		"(cc) Flephedrone;

•	
"(ii) Methylenedioxy Cathinones. Any compound	Lt I
phenylpentan-1-one);	941
-I-(onimalylamino)-I-	Stl
methoxyphenyl)- 2-(methylamino)-1-propanone); or	tti
"(XIV) Methedrone (also known as 1-(4-	143
"(cc) 3-Methylmethcathinone;	745
"(pp) 3-methyl MS; or	ItI
bropanone;	0†I
-1-(lynənqlydəm-5)-1-(onimalydəm)-2 (aa) 2-(nethylamino)-1-(3-methylamino)	681
"(XIII) 3-MMC, also known as:	138
(bb) 4-Methyl-N-ethylcathinone;	LEI
bropanone; or	981
-l-(lynenylphenyl)-l-(othylamino)-l-(4-methylphenyl)-l-	SEI
"(XII) 4-MEC, also known as:	134
"(bb) 3-Methyl-N-ethylcathinone;	133
"(aa) 2-(ethylamino)-1-(m-tolyl)propan-l-one; or	132
"(XI) 3-MEC, also known as:	ısı
4-MeMABP	130
,,(cc) 4-methyl BP; or	671
(pp) +-Methylbuphedrone;	128
butanone;	<i>L</i> 71
- l -(laa) J-l -(onimalylamino)-l -(4-methylphenyl)-l -	156
"(X) 4-MeBP, also known as:	125

148	containing a 2-amino-1-propanone structure with substitution at the 1-position with a
149	monocyclic or fused polycyclic ring system and a substitution at any position of the
150	ring system with an alkyl, haloalkyl, halogen, alkylenedioxy, or alkoxy group, whether
151	or not further substituted at any position on the ring system to any extent. Examples of
152	this structural class include:
153	"(I) 3-fluoromethylone;
154	"(II) Methylone, also known as
155	"(aa) 1-(1,3-benzodioxol-5-yl)-2-(methylamino
156	1- propanone; or
157	"(bb) 3,4-Methylenedioxy-N-methylcathinone)
158	"(III) N-ethyl Pentylone, also known as:
159	"(aa) Ephylone; or
160	"(bb) 1-(l, 3-benzodioxol-5-yl)-2-(ethylamino)-
161	1-pentanone;
162	"(IV) bk-MDDMA, also known as:
163	"(aa) 1-(1,3-benzodioxol-5-yl)-2-
164	(dimethylamino)propan-1-one;
165	"(bb) Dimethylone;
166	"(cc) N,N-dimethyl-3',4'-
167	methylenedioxycathinone;
168	"(dd) N,N-dimethyl-3,4-
169	methylenedioxycathinone; or
170	"(ee) N.N-Dimethyl MDCATH:

171	"(V) Butylone, also known as 1-(1,3-benzodioxol-5-yl)-
172	2-(methylamino)-1-butanone);
173	"(VI) Ethylone, also known as:
174	"(aa) 3,4-Methylenedioxy-N-ethylcathinone; or
175	"(bb) MDEC; or
176	"(VII) Pentylone (also known as 1-(1,3-benzodioxol-5-
177	yl)- 2-(methylamino)pentan-1-one);
178	"(iii) Pyrrolidine Cathinones. Any compound containing a 2-
179	amino-1-propanone structure with substitution at the 1-position with a alkyl, cyclic or
180	fused polycyclic ring system and a substitution at the 3-position carbon with an alkyl,
181	haloalkyl, halogen, alkoxy or alkylenedioxy group, and a substitution at the nitrogen atom
182	incorporation into a heterocyclic structure, with or without further halogen substitutions.
183	Examples include:
184	"(I) $\alpha$ -PVP (also known as $\alpha$ -
185	pyrrolidinopentiophenone);
186	"(II) $\alpha$ -pyrrolidinopropiophenone, also known as:
187	"(aa) 1-phenyl-2-(1-pyrrolidinyl)-l-propanone;
188	or
189	"(bb) α -PPP;
190	"(III) α -PBP, also known as:
191	"(aa) 1-phenyl-2-(1-pyrrolidinyl)-l-butanone; or
192	"(bb) a-pyrrolidinobutiophenone;
193	"(IV) MDPBP, also known as:

194		"(aa) 1-(1,3-benzodioxol-5-yl)-2-(l-
195	pyrrolidinyl)-1-butanone;	
196		"(bb) 3,4-Methylenedioxy-α-
197	Pyrrolidinobutiophenone; or	
198		"(cc) 3,4-MDPBP
199		"(V) MDPPP, also known as:
200		"(aa) 1-(1,3-benzodioxol-5-yl)-2-(1-
201	pyrrolidinyl)-1- propanone; or	
202		"(bb) 3,4-Methylenedioxy- $\alpha$ -
203	Pyrrolidinopropiophenone;	
204		"(VI) MDPV, also known as:
205		"(aa) 1-(1,3-benzodioxol-5-yl)-2-(1-
206	pyrrolidinyl)-l- pentanone; or	
207		"(bb) 3,4-Methylenedioxy Pyrovalerone;
208		"(VII) 4-MePPP, also known as:
209		"(aa) 4'-methyl- α -Pyrrolidinopropiophenone;
210		"(bb) 4'-methyl PPP; or
211		"(cc) 2-(pyrrolidin-l-yl)-1-(p-tolyl)propan-1-one;
212		"(VIII) 4'-methyl PHP, also known as:
213		"(aa) 4'-methyl-α-pyrrolidinohexanophenone;
214		"(bb) MPHP;
215		"(cc) 4'-methyl-α-PHP; or
216		"(dd) PV4;

217	"(IX) Naphyrone, also known as:
218	"(aa) (RS)-1-naphthalen-2-yl-2-pyrrolidin-1-
219	ylpentan-1-one; or
220	"(bb) Naphpyrovalerone;
221	"(X) C-PVP, also known as:
222	"(aa) 4-Chloro-α-PVP; or
223	"(bb) 1-(4-chlorophenyl)-2-(pyrrolidin-1-
224	yl)pentan-1-one";
225	"(iv) Piperazine Stimulants. Any compound containing or
226	structurally derived from a piperazine, or diethylenediamine, structure with or without
227	substitution at one of the nitrogen atoms of the piperazine ring to any extent, including
228	alkyl, cycloalkyl, or fused ring systems, with or without further halogen substitutions.
229	Examples include:
230	"(I) BZP, also known as:
231	"(aa) 1-(phenylmethyl)-piperazine;
232	"(bb) 1-Benzylpiperazine; or
233	"(cc) N-Benzylpiperazine; and
234	"(II) TMFPP, also known as:
235	"(aa) 1-[3-(trifluoromethyl)phenyl]-piperazine;
236	"(bb) 1-(m-Trifluoromethylphenyl) piperazine;
237	or
238	"(cc) 3-Trifluoromethylphenylpiperazine.
239	"(B) Unclassified Synthetic Cathinones:

"(III) Dimetamfetamine; or	797
"(II) N,N-Dimethylamphetamine;	197
"(I) N,N, α-trimethyl-benzeethanamine;	790
"(vii) N,N-DMA, also known as:	697
"(III) W-Hydroxy-3,4-methylenedioxyamphetamine;	882
ethanamine; or	LSZ
-ς-əloxoipozu-α-methyl-1,3-benzodioxole-5-	9\$7
(I), MDOH;	557
"(vi) M-hydroxy MDA, also known as:	787
bpphenylpropan-2-ylamino)ethyl]purine-2,6-dione);	253
"(v) Fenethylline (also known as (RS)-1,3-dimethyl- $7-[2-(1-$	727
"(II) N-Ethylamphetamine;	152
"(I) N-ethyl-α-methyl-benzeneethanamine; or	720
"(iv) EMA, also known as:	249
"(II) α-methyltryptamine;	248
.(I) α-methyl-lH-indole-3-ethanamine; or	<b>∠</b> †Z
"(iii) α-MT, also known as:	746
;ənimslybutylamine;	245
"(II) α-ethyltryptamine; or	544
"(I) α-ethyl-lH-indole-3-ethanamine;	243
"(ii) a-ET, also known as:	747
oxazol-2-amine);	741
"(i) Aminorex (also known as (RS)-5-phenyl-4,5-dihydro-1,3-	240

263	"(III) Metrotonin.".
264	(3) A new paragraph (6) is added to read as follows:
265	"(6) Synthetic cannabimimetic agents (also known as "synthetic
266	cannabinoids"), which includes, unless specifically exempted, unless listed in another
267	schedule, or unless approved by the Food and Drug Administration as a drug, any material,
268	mixture, preparation, any compound structurally derived from, or that contains any quantity
269	of the following synthetic substances, its salts, isomers, homologues, analogues and salts of
270	isomers, homologues, and analogues, whenever the existence of these salts, isomers,
271	homologues, analogues, and salts of isomers, homologues, and analogues is possible within
272	the specific chemical designation:
273	"(A) Classified Synthetic Cannabimimetic Agents:
274	"(i) Adamantanoylindoles: Any compound containing or
275	structurally derived from an adamantanyl-(lH-indol-3-yl)methanone structure with or
276	without substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl,
277	cyanoalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, l-(N-methyl-2-
278	piperidinyl)methyl, 2-(4- morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-
279	methyl-3- morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl, phenyl, or
280	halophenyl group, whether or not further substituted in the indole ring to any extent and
281	whether or not substituted in the adamantyl ring to any extent. Examples include:
282	"(I) AB-001, also known as:
283	"(aa)(1s,3s)-adamantan-1-yl(l-pentyl-lH-
284	indol-3-yl)methanone; or
285	"(bb) JWH 018 adamantyl analog; and

286	"(II) AM-1248, also known as:
287	"(aa) [1-[(1-methyl-2-piperidinyl)methyl]-lH-
288	indol-3-yl]tricyclo[3.3.1.13,7]dec-1-yl-methanone; or
289	"(bb) AM1248;
290	"(ii) Benzimidazole Ketone: Any compound containing or
291	structurally derived from (benzimidazole-2-yl) methanone structure with or without
292	substitution at either nitrogen atom of the benzimidazole ring by an alkyl, haloalkyl,
293	cyanoalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, 1-(N-methyl-2-
294	piperidinyl)methyl, 2-(4- morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-
295	methyl-3-morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl, phenyl, or
296	halophenyl group, with substitution at the carbon of the methanone group by an adamantyl,
297	naphthyl, phenyl, benzyl, quinolinyl, cycloalkyl, 1-amino-3-methyl-1-oxobutan-2-yl, l-
298	amino-3, 3-dimethyl-1-oxobutan-2-yl, 1- methoxy-3-methyl-1-oxobutan-2-yl, l-methoxy-3,
299	3-dimethyl-1-oxobutan-2-yl or pyrrole group, and whether or not further substituted in the
300	benzimidazole, adamantyl, naphthyl, phenyl, pyrrole, quinolinyl, or cycloalkyl rings to any
301	extent. Benzimidazole Ketones include:
302	"(I) FUBIMINA, also known as:
303	"(aa) (1-(5-fluoropentyl)-1H-benzo[d]imidazol-
304	2-yl)(naphthalen-1-yl)methanone; or
305	"(bb) AM2201 benzimidazole analog; and
306	"(II) JWH-018 benzimidazole analog,
307	also known as:
308	"(cc) naphthalen-1-yl(1-pentyl-1H-

309	benzo[d]imidazol-2-yl)methanone; or
310	"(dd) BIM-018;
311	"(iii) Benzoylindoles: Any compound containing or structurally
312	derived from a 3-(benzoyl)indole structure with substitution at the nitrogen atom of the
313	indole ring with alkyl, haloalkyl, cyanoalkyl, hydroxyalkyl, alkenyl, cycloalkylmethyl,
314	cycloalkylethyl, l-(N-methyl-2-piperidinyl)methyl, 2-(4-morpholinyl)ethyl, or l-(N-methyl-
315	2-pyrrolidinyl)methyl, l-(N-methyl-3-morpholinyl)methyl, or(tetrahydropyran-4-yl)methyl
316	group, whether or not further substituted in the indole ring to any extent and whether or not
317	substituted in the phenyl ring to any extent. Examples include:
318	"(I) AM-630, also known as:
319	"(aa) [6-iodo-2-methyl-1-[2-(4-
320	morpholinyl)ethyl]-1H-indol-3-yl](4-methoxyphenyl)-methanone;
321	"(bb) AM630; or
322	"(cc) Iodopravadoline;
323	"(II) AM-661 (also known as I-(N-methyl-2-
324	piperidine)methyl-2-methyl-3-(2-iodo)benzoylindole);
325	"(III) AM-679, also known as:
326	"(aa) (2-iodophenyl)(1-pentyl-1H-indol-3
327	yl)methanone; or
328	"(bb) AM679;
329	"(IV) AM-694, also known as:
330	"(aa) [1-(5-fluoropentyl)-1H-indol-3-yl](2-
221	iodonhenyl) methanone:

332	"(bb) l-(5-fluoropentyl)-3-(2-
333	iodobenzoyl)indole; or
334	"(cc) AM694;
335	"(V) AM-1241, also known as:
336	"(aa) (2-iodo-5-nitrophenyl)-(1-(1-
337	methylpiperidin-2-ylmethyl)-lH-indol-3-yl)methanone; or
338	"(bb) AM1241;
339	"(VI) AM-2233, also known as:
340	"(aa) (2-iodophenyl)[l-[(l-methyl-2-
341	piperidinyl)methyl]-1H-indol-3-yl]-methanone; or
342	"(bb) AM2233;
343	"(VII) RCS-4, also known as:
344	"(aa) (4-methoxyphenyl)(1-pentyl-IH-indol-3-
345	yl)methanone; or
346	"(bb) SR-19; and
347	"(VIII) WIN 48,098, also known as:
348	"(aa) (4-methoxyphenyl)[2-methyl]-1-[2-(4-
349	morpholinyl)ethyl]-lH-indol-3-yl]-methanone; or
350	"(bb) "Pravadoline";
351	"(iv) Carbazole Ketone: Any compound containing or
352	structurally derived from (9H-carbazole-3-yl) methanone structure with or without
353	substitution at the nitrogen atom of the carbazole ring by an alkyl, haloalkyl, cyanoalkyl,
354	alkenyl, cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, 1-(N-methyl-2-

333	piperidinyl)methyl, 2-(4- morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-
356	methyl-3-morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl, phenyl, or
357	halophenyl group, with substitution at the carbon of the methanone group by an adamantyl,
358	naphthyl, phenyl, benzyl, quinolinyl, cycloalkyl, 1-amino-3-methyl-1-oxobutan-2-yl, 1-
359	amino-3, 3-dimethyl-1-oxobutan-2-yl, 1- methoxy-3-methyl-1-oxobutan-2-yl, 1-methoxy-3,
360	3-dimethyl-1-oxobutan-2-yl or pyrrole group, and whether or not further substituted at the
361	carbazole, adamantyl, naphthyl, phenyl, pyrrole, quinolinyl, or cycloalkyl rings to any
362	extent. Examples include EG-018 (also known as naphthalen-1-yl(9-pentyl-9H-carbazol-3-
363	yl)methanone);
364	"(v) Indazole Amide: Any compound containing or
365	structurally derived from 3-carboxamide-lH-indazoles, whether or not substituted in the
366	indazole ring to any extent and substituted to any degree on the carboxamide nitrogen and 3-
367	carboxamide-1H-indoles, whether or not substituted in the indole ring to any extent and
368	substituted to any degree on the carboxamide nitrogen. Examples include:
369	"(I) AB-CHMINACA (also known as N-(1-amino-3-
370	methyl-1-oxobutan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide);
371	"(II) AB-FUBINACA (also known as N-(1-amino-3-
372	methyl-1-oxobutan-2-yl)-l-(4-fluorobenzyl)-lH-indazole-3-carboxamide);
373	"(III) AB-PINACA (also known as N-(1-amino-3-
374	methyl-1-oxobutan-2-yl)-1-pentyl-lH-indazole-3-carboxamide);
375	"(IV) 5F AB-PINACA, also known as:
376	"(aa) N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-
377	(5-fluoronentyl)-IH-indazole 3 carbovamide): or

"(XII) 5F MN-18, also known as:	001
"(PP) WDWB-CHWICY:	668
indole-3-carboxamido)-3,3-dimethylbutanoate; or	868
"(яя) methyl (S)-2-(l-(сусlohexylmethyl)-lH-	<b>46٤</b>
"(XI) MMB CHMINACA, also known as:	968
3,3- dimethyl-1-oxobutan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide);	<b>\$6</b> £
"(X) MAB-CHMINACA (also known as N-(1-amino-	<b>≯6</b> €
(5-fluoropentyl)-l H-indazole-3-carboxamido)-3-methylbutanoate);	868
"(IX) $\delta$ -fluoro-AMB (also known as (S)- methyl 2- (1-	392
"(cc) MMB-FUBINACA;	168
"(bb) AMB-FUBINACA; or	360
carbonyl)-L-valinate;	68£
"(aa) methyl (l-(4-fluorobenzyl)-lH-indazole-3-	388
"(VIII) FUB-AMB, also known as:	۲8٤
"(bb) 5-fluoro ADB-PINACA;	98£
yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide); or	385
-2-nanudoxo-1-lydtəmib-£,٤-onima-1)-N (aa)"	384
"(VII) 5F ADB-PINACA, also known as:	383
dimethyl-1-oxobutan-2-yl)-1-pentyl-1H-indazole-3-carboxamide);	382
"(VI) ADB-PINACA (also known as N-(1-amino-3,3-	188
3,3- dimethyl-1-oxobutan-2-yl)-l-(4-fluorobenzyl)-1-H-indazole-3-carboxamide);	380
"(V) ADB-FUBINACA (also known as N-(I-amino-	648
"(bb) 5-fluoro AB-PINACA;	378

401	"(aa) l-(5-fluoropentyl)-N-1-naphthalenyl-IH-
402	indazole-3-carboxamide; or
403	"(bb) 5-fluoro MN-18;
404	"(XIII) 5F-APINACA, also known as:
405	"(aa) 5-fluoro-APINACA
406	"(bb) 5F-AKB-48;
407	"(cc) 5F-AKB48;
408	"(dd) N-((3s,5s,7s)-adamantan-1-yl)-1-(5-
409	fluoropentyl)-lH-indazole-3-carboxamide; or
410	"(ee) N-(l-adamantyl)-l-(5-fluoropentyl)-lH-
411	indazole-3-carboxamide); and
412	"(XIV) APINACA, also known as:
413	"(aa) AKB-48;
414	"(bb) AKB48;
415	"(cc) 1-pentyl-N-tricyclo[3.3.1.13,7]dec-1-yl-
416	1H- indazole-3-carboxamide; or
417	"(dd)N-(l-adamantyl)-1-pentyl-1H-indazole-3-
418	carboxamide;
419	"(vi) Cyclohexylphenols: Any compound containing or
420	structurally derived from 2-(3-hydroxycyclohexyl)phenol by substitution at the 5-position
421	of the phenolic ring by alkyl, haloalkyl, cyanoalkyl, hydroxyalkyl, alkenyl,
422	cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidinyl)methyl, 2-(4-
423	morpholinyl)ethyl, or 1-(N-methyl-2- pyrrolidinyl)methyl, 1-(N-methyl-3-

"(I) A-796,260, also known as:	977
substituted on the cycloalkane ring to any extent. Examples of this structural class include:	Stt
whether or not further substituted in the indole ring to any extent, and whether or not	ヤヤヤ
cycloalkanemethanones, whether or not substituted at the nitrogen atom on the indolering,	<b>٤</b> ††
Cyclopropanoylindoles include cyclopropylmethanone indoles, as well as other	747
substituted on the cyclopropyl, cyclobutyl, or cyclopentyl rings to any extent.	144
whether or not further substituted in the indole ring to any extent, and whether or not	077
(cyclopentylmethanone)indole by substitution at the nitrogen atom of the indole ring,	436
(cyclopropylmethanone)indole, 3-(cyclobutylmethanone)indole or 3-	438
structurally derived from 3-(cyclopropylmethanoyl)indole, 3-	<b>L</b> E\$
"(vii) Cyclopropanoylindoles: Any compound containing or	436
"(A) Cb 26,667;	432
2-[(1R,2R,5R)-5-hydroxy-2-(3-hydroxypropyl)cyclohexyl]-phenol); and	<b>43</b> 4
"(IV) CP 55,940(also known as 5-(1,1-dimethylheptyl)-	433
"(III) CP 55,490;	435
"(bb) Cannabicyclohexanol;	184
methylnonan-2-yl)phenol; oτ	430
"(аа) rel-2-[(1S,3R)-3-hydroxycyclohexyl]-5-(2-	674
"(II) CP 47,497 C8 homologue, also known as:	428
μλαιοχλολοιομεχλι]- 2-(ζ-methyloctan-ζ-yl)phenol);	L7\$
"(I) CP 47,497 (also known as 2-[(15,3R)-3-	977
substituted in the cyclohexyl ring to any extent. Examples include:	425
morpholinyl)methyl, or (tetrahydropyran-4-yl)methyl group, whether or not further	424

"(bb) 5-FUR-144; or	69t
tetramethylcyclopropoyl)indole;	897
-6, £, 2, 2) -5-fluoropenty])-3-(2, 2, 3, 3-	L9†
"(VII) XLRII, also knownas:	991
"(pp) 2CI-∩K-14t;	\$97
tetramethylcyclopropoyl)indole; or	†9†
"(aa) 1-(5-chloropentyl)-3-(2, 2, 3, 3-	£9ħ
"(VI) 5-chloro-UR-144, also known as:	791
"(bb) UR-144 N-(5-bromopentyl) analog;	197
tetramethylcyclopropyl)-methanone; or	09†
$-\xi,\xi,\zeta,\zeta)[[1-\xi-lobni-H1-(I\text{diagomoral}-\xi)-1]] (as)"$	654
"(V) 5-bromo-UR-144, also known as:	854
tetramethylcyclopropoyl)indole);	LSt
"(IV) UR-144 (also known as 1-pentyl-3-(2, 2, 3, 3-	954
yl)methyl]- l H-indole-3-yl]-(2,2,3,3-tetramethylcyclopropyl)methanone);	SSt
"(III) AB-034 (also known as [1-[(N-methylpiperidin-2-	tSt
;2£74£8-A (dd)"	£\$\$
indol-3-yl](2,2,3,3-tetramethylcyclopropyl)-methanone; or	425
-HI-[(tetrahydro-2H-pyran-4-yl)methyl]-lH-	154
"(II) A-834,735, also known as:	420
;09Z96L-A (dd)"	677
yl](2,2,3,3-tetramethylcyclopropyl)-methanone; or	877
.*(aa) [l-[2-(4-morpholinyl)ethyl]-1H-indol-3-	Ltt

470	"(cc) 5-fluoro UR-144; and
471	"(VIII) FUB-144 (also known as (1-(4-fluorobenzyl)-
172	1H-indol-3-yl)(2,2,3,3-tetramethylcyclopropyl)methanone);
173	"(viii) Hexahydrodibenzopyrans: Any compound containing or
<b>1</b> 74	structurally derived from Hexahydrodibenzopyrans, whether or not substituted in the
175	tricyclic ring system, except where contained in cannabis or cannabis resin;
176	"(ix) Indazole Ester (also known as Carboxylate indazole): Any
177	compound containing or structurally derived from 3-carboxylate-indazoles, whether or not
178	substituted in the indazole ring to any extent or substituted to any degree on the carboxylate,
179	whether or not substituted to any extent in the indazole ring or on the carboxylate oxygen.
180	Examples of indazole esters include 5-fluoro SDB-005, also known as:
181	"(I) naphthalen-1-yl l-(5-fluoropentyl)-lH-indazole-3-
182	carboxylate; or
183	"(II) 5F SDB-005;
184	"(x) Indole Amides: Any compound containing or structurally
185	derived from or containing a IH-Indole-3-carboxamide structure with or without substitution
186	at the nitrogen atom of the indole ring by an alkyl, haloalkyl, cyanoalkyl, alkenyl,
487	cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, 1-(N-methyl-2-piperidinyl)methyl,
488	2-(4- morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-methyl-3-
<b>489</b>	morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl, phenyl, or
490	halophenyl group, whether or not substituted at the carboxamide group by an adamantyl,
491	naphthyl, phenyl, benzyl, quinolinyl, cycloalkyl, l-amino-3-methyl-1-oxobutan-2-yl, l-
492	amino-3, 3-dimethyl-l-oxobutan-2-yl, 1-methoxy-3-methyl-1-oxobutan-2-yl, l-methoxy-3,

193	3-dimethyl-1-oxobutan-2-yl or pyrrole group and whether or not further substituted in the
194	indole, adamantyl, naphthyl, phenyl, pyrrole, quninolinyl, or cycloalkyl rings to any extent.
195	Indole amides include:
196	"(I) Adamantylamidoindoles, or any compound
197	containing or structurally derived from an N-(adamantyl)-indole-3-carboxamide structure,
198	whether or not further substituted in the indole ring to any extent and whether or not
199	substituted in the adamantyl ring to any extent;
500	"(II) Adamantylindoles, or any compound containing or
501	structurally derived from an N-(adamantyl)-indole-3-carboxamide with substitution at the
502	nitrogen atom of the indole ring, whether or not further substituted on the indole ring to any
503	extent, and whether or not substituted on the adamantyl ring to any extent;
504	"(III) 5F ABICA, also known as:
505	"(aa) (S)-N-(1-amino-3-methyl-1-oxobutan-2-
506	yl)-1-(5-fluoropentyl)-lH-indole-3-carboxamide;
507	"(bb) N-(l-amino-3-methyl-1-oxobutan-2-yl)-1-
808	(5- fluoropentyl)-1H-indole-3-carboxamide; or
509	"(cc) 5-fluoro ABICA;
510	"(IV) ADBICA (also known as N-(l-amino-3,3-
511	dimethyl-1-oxobutan-2-yl)-1-pentyl-1H-indole-3-carboxamide));
512	"(V) 5F-ADBICA, also known as:
513	"(aa) N-(l-amino-3,3-dimethyl-1-oxobutan-2-
514	yl)-1-(5-fluoropentyl)-lH-indole-3-carboxamide; or
515	"(bb) 5-fluoro-ADBICA;

10; APICA; or		852
	Carboxamide;	LES
-£-əlobnilyl-l-lfluoropentylindole-3-		989
ole-3-carboxamide;	tricyclo[3.3.1.13]dec-1-yl-lH-ind	555
-N-([xs] ]-(5-fluoropenty])-N-		755
"(XI) STS-135, also known as:		553
	indole-3-carboxamide;	232
-H1-ly-1-osb[7, £1,1, £, £] oloycinf-N-lyingq-1 (00)"		188
"(bb) JWH 018 adamantyl carboxamide; or		930
"(aa) APICA;		625
"(X) 2NE1, also known as:		828
"(bb) 5-fluoro-SDB-006;		<i>L</i> Z\$
	3-carboxamide); or	256
-slobni-HI-(lytneqoroufi-2)-1-lyzned-N (aa)"		272
"(IX) 5F-SDB-006, also known as:		224
	indole-3-carboxamide);	273
"(VIII) SDB-006 (also known as N-benzyl-1-pentyl-1H-		222
"(bb) 5-fluoro-NNEI		125
	lH-indole-3-carboxamide); or	250
"(aa) l-( $5$ -fluoropentyl)- $N$ -(naphthalene-l-yl)-		615
"(VII) 5F-NNE1, also known as:		818
	pentyl-lH-indole-3-carboxamide);	LIS
"(VI) NNEI (also known as N-(naphthalen-l-yl)-1-		915

539	"(dd) 5-fluoro-APICA;
540	"(XII) SDB-006 (also known as N-benzyl-1-pentyl-lH-
541	indole-3-carboxamide); and
542	"(XIV) 5-fluoro-MDMB-PICA (also known as N-[[1-(5-
543	fluoropentyl)-1H-indol-3-yl]carbonyl]-3-methyl-L-valine, methyl ester);
544	"(xi) Indole Esters: Any compound containing or structurally
545	derived from a lH-Indole-3-carboxylate structure with or without substitution at the
546	nitrogen atom of the indole ring by an alkyl, haloalkyl, cyanoalkyl, alkenyl,
547	cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, 1-(N-methyl-2-piperidinyl)methyl,
548	2-(4-morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, l-(N-methyl-3-
549	morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl,phenyl, or
550	halophenyl group, whether or not substituted at the carboxylate group by an adamantyl,
551	naphthyl, phenyl, benzyl, quinolinyl, cycloalkyl, 1-amino-3-methyl-1-oxobutan-2-yl, l-
552	amino-3, 3-dimethyl-1-oxobutan-2-yl, 1-methoxy-3-methyl-1-oxobutan-2-yl, 1-methoxy-3,
553	3-dimethyl-1-oxobutan-2-yl or pyrrole group and whether or not further substituted in the
554	indole, adamantyl, naphthyl, phenyl, pyrrole, quinolinyl, or cycloalkyl rings to any extent.
555	Indole Esters may also be referred to as Quinolinylindolecarboxylates. Indole esters include:
556	"(I) Quinolinyl ester indoles, or any compound
557	containing or structurally derived from Quinolinyl ester indoles, being any compound
558	containing or structurally derived from 1H-indole-3carboxylic acid-8-quinolinyl ester,
559	whether or not substituted in the indole ring to any extent or the quinolone ring to any
560	extent;
561	"(II) BB-22, also known as:

562	"(aa) 1-(cyclohexylmethyl)-8-quinolinyl ester-
563	1H-indole-3-carboxylic acid;
564	"(bb) quinolin-8-yl 1-(cyclohexylmethyl)-1H-
565	indole-3-carboxylate; or
566	"(cc) QUCHIC;
567	"(III) FDU-PB-22 (also known as naphthalen-1-yl 1-(4-
568	fluorobenzyl)-lH-indole-3-carboxylate);
569	"(IV) FUB-PB-22, also known as:
570	"(aa) 1-[(4-fluorophenyl)methyl]-1H-indole-3-
571	carboxylic acid, 8-quinolinyl ester; or
572	"(bb) Quinolin-8-yl l-(4-fluorobenzyl)-lH-
573	indole-3-carboxylate;
574	"(V) NM2201, also known as:
575	"(aa) naphthalen-1-yl l-(5-fluoropentyl)-IH-
576	indole-3-carboxylate; or
577	"(bb) CBL-2201;
578	"(VI) PB-22, also known as:
579	"(aa) 1-pentyl-8-quinolinyl ester-1H-indole-3-
580	carboxylic acid;
581	"(bb) quinolin-8-yl 1-pentyl-1H-indole-3-
582	carboxylate;
583	"(cc) 8-Quinolinyl 1-pentyl-1H-indole-3-
584	carboxylate; or

585	"(dd) "QUPIC"; and
586	"(VII) 5F-PB-22, also known as:
587	"(aa) 11-(5-fluoropentyl)-8-quinolinyl ester-
588	1H-indole-3-carboxylic acid;
589	"(bb) quinolin-8-yl 1-(5-fluoropentyl)-1H-
590	indole-3-carboxylate;
591	"(cc) 8-Quinolinyl 1-(5-fluoropentyl)-1H-indole-
592	3-carboxylate;
593	"(dd) 5-fluoro-PB-22; or
594	"(ee) 5-fluoro QUPIC;
595	"(xii) Naphthoylindoles: Any compound containing or
596	structurally derived from 3-(1-naphthoyl)indole or 1H-indol-3-yl-(1-naphthyl)methane by
597	substitution at the nitrogen atom of the indole ring by alkyl, haloalkyl, cyanoalkyl,
598	hydroxyalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-
599	piperidinyl)methyl, 2-(4-morpholinyl)ethyl group, 1-(N-methyl-2-pyrrolidinyl)methyl, I-
600	(N-methyl-3-morpholinyl)methyl, or (tetrahydropyran-4-yl)methyl group, whether or not
601	further substituted in the naphthyl ring to any extent, including the following: AM-678, AM-
602	1220, AM-1221, AM-1235, AM-2232, EAM-2201, JWH-004, JWH-007, JWH-009, JWH-
603	011, JWH-015, JWH-016, JWH-018, JWH-019, JWH-020, JWH-022, JWH-046, JWH-
604	047, JWH-048, JWH-049, JWH-050, JWH-070, JWH-071, JWH-072, JWH-073, JWH-
605	076, JWH-079, JWH-080, JWH-081, JWH-082, JWH-094, JWH-096, JWH-098, JWH-116,
606	JWH-120, JWH-122, JWH-148, JWH-149, JWH-164, JWH-166, JWH-180, JWH-181,
607	JWH-182, JWH-189, JWH-193, JWH-198, JWH-200, JWH-210, JWH-211, JWH-212,

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608
      JWH-213, JWH-234, JWH-235, JWH-236, JWH-239, JWH-240, JWH-241, JWH-242,
609
      JWH-258, JWH-262, JWH-386, JWH-387, JWH-394, JWH-395, JWH-397, JWH-398,
610
      JWH-399, JWH-400, JWH-412, JWH-413, JWH-414, JWH-415, JWH-424, MAM-2201.
611
      WIN 55-212. Napthoylindoles also include:
612
                                        "(I) AM-2201 (also known as (1-(5-fluoropentyl)-3-(1-
613
      naphthoyl)indole); and
614
                                        "(II) WIN 55,212-2, also known as:
615
                                               "(aa) (R)-(+)-[2,3-dihydro-5-methyl-3- (4-
616
      morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-napthalenylmethanone; or
617
                                               "(bb) [2.3-Dihydro-5-methyl-3-(4-
618
      morpholinylmethyl)pyrrolo[(1,2,3-de)-1,4-benzoxazin-6-yl]-1-napthalenylmethanone);
619
                                 "(xiii) Naphthoylnaphthalenes: Any compound containing or
620
      structurally derived from naphthalene-1-yl-(naphthalene-l-yl) methanone with substitutions
621
      on either of the naphthalene rings to any extent. Naphthoylnaphthalenes include CB-13, also
622
      known as CRA-13 or l-naphthalenyl[4-(pentylox)-1-naphthalenyl]-methanone;
623
                                 "(xiv) Naphthoylpyrroles: Any compound containing or
      structurally derived from 3-(1-naphthoyl)pyrrole by substitution at the nitrogen atom of the
624
625
      pyrrole ring by alkyl, haloalkyl, cyanoalkyl, hydroxyalkyl, alkenyl, cycloalkylmethyl,
626
      cycloalkylethyl, 1-(N-methyl-2-piperidinyl)methyl, 2-(4-morpholinyl)ethyl, or 1-(N-
627
      methyl-2-pyrrolidinyl)methyl, 1-(N-methyl-3-morpholinyl)methyl, or (tetrahydropyran-4-
628
      yl)methyl group, whether or not further substituted in the pyrrole ring to any extent and
629
      whether or not substituted in the naphthyl ring to any extent, including the following: JWH-
630
      030, JWH-031, JWH-145, JWH-146, JWH-147, JWH-150, JWH-156, JWH-243, JWH-
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631 244, JWH-245, JWH-246, JWH-292, JWH-293, JWH-307, JWH-308, JWH-309, JWH-632 346, JWH-348, JWH-363, JWH-364, JWH-365, JWH-367, JWH-368, JWH-369, JWH-370, 633 JWH-371, JWH-373, JWH-392; 634 "(xv) Naphthylamidoindoles: Any compound containing or 635 structurally derived from a N-(naphthyl)-indole-3-carboxamide structure, whether or not 636 further substituted to any extent in the indole ring or the naphthyl ring; 637 "(xvi) Naphthylmethyl Indoles: Any compound containing or 638 structurally derived from 1H-indol-3-yl-(l-naphthyl)methane structure, also known as 639 napthylmethylindoles, with substitution at the nitrogen atom of the indole ring by an alkyl, 640 haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidinyl)methyl, or 641 2-(4-morpholinyl)ethyl group, or 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-methyl-3morpholinyl)methyl, or (tetrahydropyran-4-yl)methyl group, whether or not further 642 643 substituted on the indole ring to any extent and whether or not substituted on the naphthyl ring to any extent. Examples of this structural class include: 644 "(I) JWH-175 (also known as 3-(1-645 646 naphthalenylmethyl)-1-pentyl-lH-indole); 647 "(II) JWH-184 (also known as 3-[(4-methyl-1-648 naphthalenyl)methyl]-1-pentyl-1H-indole); 649 "(III) JWH-185 (also known as 3-[(4-methoxy-1naphthalenyl)methyl]-1-pentyl-1H-indole); 650 "(IV) JWH-192 (also known as (1-(2-morpholin-4-651 652 ylethyl)indol-3-yl)-4-methylnaphthalen-1-ylmethane); 653 "(V) JWH-194 (also known as 2-methyl-1-pentyl-lH-

structurally derived from 3-phenylacetylindole by substitution at the nitrogen atom of the	9/9
"(xviii) Phenylacetylindoles: Any compound containing or	<i>\$L</i> 9
:022-HWl (III)"	<i>₹</i> 29
inden-1-ylidene)methyl]-naphthalene); and	٤٧3
"(II) JWH-176 (also known as 1-[(E)-(3-pentyl-1H-	7 <i>L</i> 9
;I71-HWl (I)"	119
substituted in the naphthyl ring to any extent. Examples include:	049
group, whether or not further substituted in the indene ring to any extent and whether or not	699
pyrrolidinyl)methyl, 1-(N-methyl-3-morpholinyl)methyl, or (tetrahydropyran-4-yl)methyl	899
methyl-2- piperidinyl)methyl, 2-(4-morpholinyl)ethyl, or 1-(N-methyl-2-	<i>L</i> 99
paloalkyl, cyanoalkyl, hydroxyalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, $1-(N-$	999
1-(1-naphthylmethyl)indene with substitution at the 3-position of the indene ring by alkyl,	<b>599</b>
structurally derived from a naphthylideneindene structure or that is structurally derived from	<del>1</del> 99
"(xvii) Naphthylmethylindenes: Any compound containing or	٤99
ylethyl)indol-3-yl)-4-methoxynaphthalen-1-ylmethane);	799
"(IX) JWH-199 (also known as (1-(2-morpholin-4-	199
indol-3-yl-(4-methoxy-1-naphthyl)methane); and	099
"(VIII) JWH-197 (also known as 2-methyl-1-pentyl-IH-	659
naphthalenylmethyl)-1-pentyl-lH-Indole);	859
.(VII) JWH-196 (also known as 2-methyl-3-(1-	LS9
ylethyl)indol-3-yl)-naphthalen-1-ylmethane);	959
-4-nilodqrom-2)-1) as nwond osls) 291-HWL (IV)"	<b>SS9</b>
indol-3-yl-(4-methyl-1-naphthyl)methane);	<b>7</b> 59

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677
      indole ring with alkyl, haloalkyl, cyanoalkyl, hydroxyalkyl, alkenyl, cycloalkylmethyl,
678
      cycloalkylethyl, l-(N-methyl-2-piperidinyl)methyl, 2-(4-morpholinyl)ethyl, or 1-(N-methyl-
679
      2-pyrrolidinyl)methyl, 1-(N-methyl-3-morpholinyl)methyl, or (tetrahydropyran-4-yl)methyl
680
      group, whether or not further substituted in the indole ring to any extent and whether or not
681
      substituted in the phenyl ring to any extent, including: JWH-167, JWH-201, JWH-202,
      JWH-203, JWH-204, JWH-205, JWH-206, JWH-207, JWH-208, JWH-209, JWH-237,
682
683
      JWH-248, JWH-249, JWH-250, JWH-251, JWH-253, JWH-302, JWH-303, JWH-304,
684
      JWH-305, JWH-306, JWH-311, JWH-312, JWH-313, JWH-314, JWH-315, JWH-316,
685
      RCS-8, SR-18, and Cannabipiperidiethanone (also known as 2-(2-methoxyphenyl)-1-[1-
686
      [(1-methyl-2-piperidinyl)methyl]-1H-indol-3-yl]-ethanone);
687
                                 "(xix) Quinolinoyl pyrazole: Any compound containing or
      structurally derived from Quinolinoyl pyrazole carboxylate (also known as Quinolinyl
688
689
      fluoropentyl fluorophenyl pyrazole carboxylate);
690
                                 "(xx) Tetrahydrobenzochromen: Any compound containing or
691
      structurally derived from (6aR,10aR)-9-(hydroxymethyl)-6, 6-dimethyl-3-(2-methyloctan-2-
692
      yl)- 6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol. Includes tetrahydrodibenzopyrans, or any
      compound containing or structurally derived from tetrahydrodibenzopyrans, whether or not
693
694
      substituted in the tricyclic ring system, but does not include tetrahydrodibenzopyrans that
695
      are contained in cannabis or cannabis resin. Examples of this structural class include:
696
                                        "(I) AM-087 (also known as (6aR, 10aR)-3-(2-methyl-6-
697
      bromohex-2-yl)-6,6,9-trimethyl-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol);
698
                                        "(II) AM-411 (also known as (6aR,10aR)-3-(l-
699
      adamantyl)-6,6,9-trimethyl-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol);
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700
                                        "(III) HU-210, also known as:
701
                                               "(aa) 3-(l,l'-dimethylheptyl)-6aR,7,10,10aR-
702
      tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-9-methanol;
703
                                               "(bb) [(6aR,10aR)-9-(hydroxymethyl)-6,6-
704
      dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol;
705
                                               "(cc) 1,1-Dimethylheptyl-11-
706
      hydroxytetrahydrocannabinol; or
707
                                               "(dd) 1,1-dimethylheptyl-ll-hydroxy-delta8-
708
      tetrahydrocannabinol;
709
                                        "(IV) HU-211, also known as:
710
                                               "(aa) 3-(1,1-dimethylheptyl)-6aS,7,10,10aS-
      tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-9-methanol;
711
                                               "(bb) (6aS, 10aS)-9-(hydroxymethyl)-6,6-
712
713
      dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol;
714
                                               "(cc) (6aS,10aS)-9-(hydroxymethyl)-6,6-
715
      dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromen-1-ol; or
716
                                               "(dd) "Dexanabinol";
717
                                        "(V) HU-243, also known as:
718
                                               "(aa) (6aR,8S,9S,10aR)-9-(hydroxymethyl)-6,6-
719
      dimethyl-3-(2-methyloctan-2-yl)-8,9-ditritio-7,8,10,10a-tetrahydro-6aH-benzo[c]chromen-
720
      1-ol; or
721
                                               "(bb) 3-dimethylheptyl-11-
      hydroxyhexahydrocannabinol;
722
```

723 "(VI) JWH-051 (also known as (6aR, 10aR)-6,6-724 dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydrobenzo[c]chromen-9-yl)methanol); 725 "(VII) JWH-133 (also known as(6aR,10aR)-3-(1,1-726 Dimethylbutyl) -6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran); and 727 "(VIII) JWH-359 (also known as (6aR,10aR)-1methoxy-6,6,9-trimethyl- 3-[(2R)-l,l,2-trimethylbutyl]- 6a,7,10,10a-728 729 tetrahydrobenzo[c]chromene); 730 "(xxi) \( \Delta \) 8-Tetrahydrocannabinol: Any compound containing or 731 structurally derived from 11-hydroxy- Δ 8-tetrahydrocannabinol structure, also known as 732 dibenzopyrans, with further substitution on the 3-pentyl group by an alkyl, haloalkyl, 733 alkenyl, cycloalkylmethyl, cycloalkyethyl, 1-(n-methyl-2-piperidinyl)methyl, or 2-(4-734 morpholinyl)ethyl group; "(xxii) Tetramethylcyclopropane-thiazole carboxamides: Any 735 736 compound containing or structurally derived from 2,2,3,3-tetramethyl-N-(thiazol-2ylidene)cyclopropanecarboxamide by substitution at the nitrogen atom of the thiazole ring 737 738 by alkyl, haloalkyl, benzyl, halobenzyl, alkenyl, haloalkenyl, alkoxy, cyanoalkyl, 739 hydroxyalkyl, cycloalkylmethyl, cycloalkylethyl, (N-methylpiperidin-2-yl)alkyl, (4-740 tetrahydropyran)alkyl, or 2-(4-morpholinyl)alkyl, whether or not further substituted in the 741 thiazole ring to any extent and whether or not substituted in the tetramethylcyclopropyl ring 742 to any extent, including the group Tetramethylcyclopropyl thiazoles, or any compound 743 containing or structurally derived from 2,2,3,3-tetramethyl-N-(thiazol-2-744 ylidene)cyclopropanecarboxamide by substitution at the nitrogen atom of the thiazole ring, 745 whether or not further substituted in the thiazole ring to any extent, whether or not

746 substituted in the tetramethylcyclopropyl ring to any extent. Tetramethylcyclopropane-747 thiazole carboxamides also include A-836,339, also known as: 748 "(I)  $\lceil N(Z) \rceil$ -N- $\lceil 3$ -(2-methoxyethyl)-4,5-dimethyl-2(3H)-749 thiazolylidene]-2,2,3,3-tetramethyl-cyclopropanecarboxamide; 750 "(II) N-[3-{2-Methoxyethyl}-4,5-dimethyl-1,3-thiazol-751 2(3H)-ylidene]-2,2,3,3-tetramethylcyclopropanecarboxamide: or 752 "(III) A-836339; 753 "(xxiii) Benzodihydropyrans: Any compound containing or 754 structurally derived from benzodihydropyrans, by substitution on the benzyl ring by 755 hydroxy, alkyl, haloalkyl, alkoxy, cycloalkyl, alkene, haloalkene, cycloalkane, or by 756 substitution on the pyran ring by alkyl, cycloalkyl, cycloalkene, or cycloalkoxy group to 757 any extent. Examples of this structural class include: "(I) AM-855 (also known as (4aR,12bR)-8-hexyl-2,5,5-758 759 trimethyl-1,4,4a,8,9,10,11,12b-octahydronaphtho[3,2-c]isochromen-12-ol); 760 "(II) AM-905 (also known as (6aR,9R,10aR)-3-[(E)-761 hept-1-enyl]-9-(hydroxymethyl)-6,6-dimethyl-6a,7,8,9, 10,10a-762 hexahydrobenzo[c]chromen-1-ol); 763 "(III) AM-906 (also known as (6aR,9R,10aR)-3-[(Z)hept-1-enyl]-9-(hydroxymethyl)-6,6-dimethyl-6a,7,8,9,10,10a-764 765 hexahydrobenzo[c]chromen-1-ol); "(IV) AM-2389 (also known as (6aR,9R,10aR)-3-(1-766 767 hexylcyclobut-1-yl)-6a,7,8,9,10,10a-hexahydro-6,6-dimethyl-6H-dibenzo[b,d]pyran-l,9 diol); and 768

769	"(V) JWH-057 (also known as (6aR,10aR)-3-(1,1-
770	dimethylheptyl)-6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6H-Dibenzo[b,d]pyran);
771	"(xxiv) Benzimidazole Ketone: Any compound containing or
772	structurally derived from [lH-indazol-3-yl](l-naphthyl)methanone structure with or without
773	substitution at either nitrogen atom of the indazole ring by an alkyl, haloalkyl, cyanoalkyl,
774	alkenyl, cycloalkylmethyl, cycloalkylethyl, benzyl, halobenzyl, 1-(N-methyl-2-
775	piperidinyl)methyl, 2-(4-morpholinyl)ethyl, 1-(N-methyl-2-pyrrolidinyl)methyl, 1-(N-
776	methyl-3-morpholinyl)methyl, (tetrahydropyran-4-yl)methyl, 1-methylazepanyl, phenyl, or
777	halophenyl group, with substitution at the carbon of the methanone group by an adamantyl,
778	naphthyl, phenyl, benzyl, quinolinyl, cycloalkyl, 1-amino-3-methyl-1-oxobutan-2-yl, l-
779	amino-3, 3-dimethyl-1-oxobutan-2-yl, l-methoxy-3-methyl-1-oxobutan-2-yl, l-methoxy-3,
780	3-dimethyl-1-oxobutan-2-yl or pyrrole group, and whether or not further substituted in the
781	benzimidazole, adamantyl, naphthyl, phenyl, pyrrole, quinolinyl, or cycloalkyl rings to any
782	extent. Examples of this structural class include:
783	"(I) THJ-2201 (also known as [l-(5-Fluoropentyl)-lH-
784	indazol-3-yl](l-naphthyl)methanone); and
785	"(II) THJ-018 (also known as 1-naphthalenyl(l-pentyl-
786	lH-indazol-3-yl)-methanone);
787	"(B) Unclassified Synthetic Cannabimimetic Agents:
788	"(i) AM-356, also known as:
789	"(I) AM356;
790	"(II) arachidonyl-1'-hydroxy-2'-propylamide;
791	"(III) N-(2-hydroxy-1R-methylethyl)-5Z,8Z,11Z,

-c-loxoib[E, I]Ioznayn as M-(benzol[I,3]dioxol-5-	118
dione);	813
methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-2,5-cyclohexadiene-1,4-	815
"(v) HU-331 (also known as 3-hydroxy-2-[(1R,6R)-3-	118
enyl]methanol);	018
dimethoxy-4-(2-methyloctan-2-yl)phenyl]-7,7-dimethyl-4-bicyclo[3.1.1]hept-3-	608
"(iv) HU-308 (also known as (91R,2R,5R)-2-[2,6-	808
"Levonantradol";	L08
yl]oxy-5,6,6a,7,8,9, 10, 10a-octahydrophenanthridin-1-yl]acetate; or	908
"(III) [9-hydroxy-6-methyl-3-[5-phenylpentan-2-	\$08
बर्ट्सबर्ट;	<del>1</del> 08
[(2R)-5-phenylpentan-2-yl]oxy-5,6,6a,7,8,9,10,10a-; octahydrophenanthridin-1-yl]	803
"(II) [(65,6aR,9R, 10aR)-9-hydroxy-6-methyl-3-	208
yl]oxy-5,6,6a, 7,8,9,10,10a-octahydrophenanthridin-1-yl]acetate;	108
-2-nstn9lpentan-2-[5-phenylpentan-2-	008
"(iii) CP 50,556-1, also known as:	664
Hydroxymethylindanyl -4-oxy) phenyl-4,4,4-trifluorobutyl-1-sulfonate);	864
."(ii) BAY38-7271 (also known as (-)-(R)-3-(2-	<i>L</i> 6 <i>L</i>
(VI) R-1 Methanandamide;	964
"(V) Methanandamide; or	\$62
Propylamide;	<b>⊅</b> 6 <i>L</i>
$^{-1}$ -Arachidonyl-l'-Hydroxy- $^{-1}$ -Arachidonyl-l'-	٤62
l 4Z-eicosatetraenamide;	<b>76</b> <i>L</i>

*L* 

"(i) Fentanyls: Any compound, other than	<b>LE8</b>
"(A) Classified Synthetic Opioids:	988
homologues, and analogues is possible within the specific chemical designation:	\$35
existence of these salts, isomers, homologues, analogues, and salts of isomers,	834
homologues, analogues and salts of isomers, homologues, and analogues, whenever the	833
contains any quantity of, the following synthetic substances, their salts, isomers,	832
drug, any material, mixture, preparation, any compound structurally derived from, or that	1 E8
listed in another schedule, or unless approved by the Food and Drug Administration as a	830
"(7) Synthetic opioids, which includes, unless specifically exempted, unless	678
(4) A new paragraph (7) is added to read as follows:	828
biphenyl]-3-yl Cyclohexylcarbamate).".	<b>L</b> Z8
"(xi) URB937 (also known as 3'-carbamoyl-6-hydroxy-[l,1'-	978
methylphenyl)amino] -4H-3,l-benzoxazin-4-one); and	828
"(x) URB754 (also known as 6-methyl-2-[(4-	854
(II) cyclohexyl [1,1 '-biphenyl]-3-ylcarbamate;	823
ester; or	822
"(I) [1,1'-Biphenyl]-3-yl-carbamic acid, cyclohexyl	128
"(ix) URB602, also known as:	028
carbamoylphenyl)phenyl]-N-Cyclohexylcarbamate);	618
"(viii) URB597 (also known as [3-(3-	818
pentyl-1H-indol-3-yl) Methanone);	<b>L18</b>
"(vii) Mepirapim (also known as (4-methylpiperazin-1-yl)(l-	918
ylmethyl)-7-methoxy-2-oxo-8-pentyloxy-1,2-dihydroquinoline-3-carboxamide);	\$18

838	carbomethoxyfentanyls, containing or structurally derived from N-(1-(2-Phenylethyl)-4-
839	piperidinyl)-N-phenylpropanamide, whether or not substituted on the methanone group
840	with an alkyl, alkene, halo, haloalkyl, benzyl, halobenzyl, alkenyl, haloalkenyl, cyanoalkyl,
841	hydroxyalkyl, furanyl, or alkoxy, and whether or not substituted on either phenyl ring with
842	an alkyl, halo, cycloalkyl, or alkoxy group. Examples of fentanyls include:
843	"(I) Fentanyl (also known as N-(1-(2-Phenylethyl)-4-
844	piperidinyl)-N-phenylpropanamide);
845	"(II) Furanylfentanyl (also known as N-Phenyl-N-[1-(2-
846	phenylethyl)piperidin-4-yl]furan-2-carboxamide);
847	"(III) Acetylfentanyl (also known as N-(1-
848	Phenethylpiperidin-4-yl)-N-phenylacetamide);
849	"(IV) Acrylfentanyl (also known as N-Phenyl-N-[1-(2-
850	phenylethyl)piperidin-4-yl]prop-2-enamide);
851	"(V) Parafluorofentanyl, also known as:
852	"(aa) 4-fluorofentanyl; or
853	"(bb) N-(4-fluorophenyl)-N-[1-(2-
854	phenylethyl)piperidin-4-yl]propanamide;
855	"(VI) Butyryl fentanyl also known as:
856	"(aa) Butyr fentanyl;
857	"(bb) NIH 10486; or
858	"(cc) N-phenyl-N-[1-(2-phenylethyl)-4-
859	piperidinyl]-butanamide; and
860	"(VII) para-Fluorobutyryl fentanyl, also known as:

861	"(aa) 4-FPF;
862	"(bb) p-FBF;
863	"(cc) 4-Fluorobutyryl fentanyl;
864	"(dd) p-Fluorobutyryl fentanyl; or
865	"(ee) N-(4-fluorophenyl)-N-[1-(2-phenylethyl)-
866	4-piperidinyl]-butanamide);
867	"(ii) Carbomethoxyfentanyls: Any compound containing or
868	structurally derived from 4-((1-oxopropyl)-phenylamino)-1-(2-phenylethyl)-4-
869	piperidinecarboxylic acid methyl ester, whether or not substituted on either phenyl ring
870	with an alkyl, halo, cycloalkyl, or alkoxy group. Carbomethoxyfentanyls include:
871	"(I) Carfentanil, also known as:
872	(aa) 4-Carbomethoxy Fentanyl;
873	(bb) 4-carbomethoxy Fentanyl; or
874	(cc) 4-[(1-oxopropyl)phenylamino]-1-(2-
875	phenylethyl)-4-piperidinecarboxylic acid, methyl ester;
876	"(II) Norcarfentanil (also known as: 4-[(1-
877	oxopropyl)phenylamino]-4-piperidinecarboxylic acid, methyl ester;
878	"(III) N-methyl Norcarfentanil, also known as:
879	(aa) N-methyl Carfentanil;
880	(bb) N-methyl Norremifentanil;
881	(cc) N-methyl Remifentanil; or
882	(dd) 1-methyl-4-[(1-oxopropyl)phenylamino]-4-
883	piperidinecarboxylic acid, methyl ester;

methyl-1-(2-phenylethyl)-4-(N-propanoylanilino)piperidine-4-carboxylate)."	906
"(V) Lofentanil (also known as methyl (3R,4S)-3-	<b>\$06</b>
ester).";	<b>⊅</b> 06
(methoxycarbonyl)-4-[(1-oxopropyl)phenylamino]-1-piperidinepropanoic acid, methyl	٤06
"(IV) Remifentanil (also known as 4-	706
propanamide).";	106
dihydro-5-oxo-1 H-tetrazol-1-yl)ethyl]-4-(methoxymethyl)-4-piperidinyl]-W-phenyl-	006
"(III) Alfentanil (also known as $N$ -[1-[2-(4-ethyl-4,5-	668
l-[2-(2-thienyl)ethyl]-4-piperidinyl]-N-phenyl-propanamide):";	868
"(II) Sufentanil (also known as N-[4-(methoxymethyl)-	L68
nitrophenyl)ethyl]2-piperidinylidene]benzenesulfonamide).";	968
"(I) W-18 (also known as 4-chloro-N-[1-[2-(4-	<b>\$68</b>
"(B) Unclassified Synthetic Opioids:	<b>768</b>
(dimethylamino )cyclohexyl]methyl}benzamide).	£68
"(II) AH-7921 (also known as 3,4-dichloro-N-{[1-	768
2-(dimethylamino)cyclohexyl]-N-methylbenzamide); and	168
"(I) U-47700 (also known as 3,4-dichloro-N-[(1R,2R)-	068
an alkyl, cycloalkyl, tertiary amine, or combination thereof. Benzamides include:	688
the nitrogen of the amide, and whether or not substituted on the nitrogen of the amide with	888
cycloalkyl, or alkoxy group, and whether or not substituted with an alkyl or hydrogen on	<b>L88</b>
methylbenzamide, whether or not substituted on the phenyl ring with an alkyl, halo,	988
derived from 3,4-Dichloro-N-[(1R,2R)-2-(dimethylamino)cyclohexyl]-N-	\$88
"(iii) Benzamides: Any compound containing or structurally	<b>788</b>

907	"(VI) Benzyl Carfentanil (also known as methyl 1-
908	benzyl-4-(N-phenylpropionamido)piperidine-4-carboxylate);
909	"(VII) N-methyl-Norcarfentanil (also known as 1-
910	methyl-4-[(1-oxopropyl)phenylamino]-4-piperidinecarboxylic acid, methyl ester).".
911	(c) Section 208(a)(7) (D.C. Official Code§ 48-902.08(a)(7)) is repealed.
912	Sec. 3. Fiscal impact statement.
913	The Council adopts the fiscal impact statement of the Budget Director as the fiscal
914	impact statement required by section 4a of the General Legislative Procedures Act of 1975
915	approved October 16, 2006 (120 Stat. 2038; D.C. Official Code § 1-301.47a).
916	Sec. 4. Effective date.
917	(a) This act shall take effect following approval by the Mayor (or in the event of
918	veto by the Mayor, action by the Council to override the veto), a 30-day period of
919	congressional review as provided in section 602(c)(1) of the District of Columbia Home
920	Rule Act, approved December 24, 1973 (87 Stat. 813; D.C. Official Code § 1-
921	206.02(c)(l)), and publication in the District of Columbia Register.
922	(b) This act shall expire after 225 days of its having taken effect.

# GOVERNMENT OF THE DISTRICT OF COLUMBIA Office of the Attorney General



ATTORNEY GENERAL KARL A. RACINE

**Legal Counsel Division** 

PRIVILEGED AND CONFIDENTIAL ATTORNEY-CLIENT COMMUNICATION

### **MEMORANDUM**

TO:

Alana Intrieri

**Executive Director** 

Office of Policy and Legislative Affairs

FROM:

Janet M. Robins

Deputy Attorney/General

Legal Counsel Division

DATE:

September 25, 2018

SUBJECT:

Legal Sufficiency Review of Draft Revised Synthetics Abatement and Full

Enforcement Drug Control Emergency, Temporary, and Permanent

Amendment Acts (AE-18-515)

On September 24, 2018, you asked us for an expedited legal sufficiency review of the above bill, which amends the District of Columbia Uniform Controlled Substances Act of 1981 ("Controlled Substances Act"). The bill incorporates synthetic cathinones, synthetic cannabinoids, and synthetic opioids into Schedule I of the Act, and supplements the existing Schedule I list of hallucinogens. It also standardizes the Schedule I language concerning isomers. Most provisions in Schedule I refer simply to "isomers," but subsection (3) of Schedule I states that "for the purposes of this [subsection] only, the term 'isomer' includes the optical, position, and

<sup>&</sup>lt;sup>1</sup> The Controlled Substances Act was effective August 5, 1981 (D.C. Law 4-29; D.C. Official Code 48-902.01 et seq. (2012 Repl. and 2015 Supp.)).

<sup>&</sup>lt;sup>2</sup> Schedule I is section 204 of the Controlled Substances Act (D.C. Official Code § 48-902.04 (2012 Repl. and 2015 Supp.)). It is designed for substances that have a high potential for abuse and have no accepted medical use in treatment in the United States or the District. See D.C. Official Code § 48-902.03 (2012 Repl.).

<sup>&</sup>lt;sup>3</sup> An isomer is "one of two or more compounds, radicals, or ions that contain the same number of atoms of the same elements but differ in structural arrangement and properties." MERRIAM-WEBSTER'S COLLEGIATE DICTIONARY 664 (11th ed. 2004).

geometric isomers" (emphasis added). To avoid confusion, and undermine any inference that other references to "isomer" are not so expansive, the bill would strike this expanded language from subsection (3).

This bill, which draws heavily from a bill this office previously introduced,<sup>4</sup> incorporates the expertise of the Department of Forensic Sciences. We are not chemists, and we defer to the Department's extensive knowledge of this subject. The draft bill also incorporates some technical and minor substantive revisions this office recommended.

The draft bill is legally sufficient. If you have any questions, please contact Josh Turner, Assistant Attorney General, at 442-9834, or me at 724-5524.

JMR/jat

<sup>&</sup>lt;sup>4</sup> See Revised Synthetics Abatement and Full Enforcement Drug Control Amendment Act of 2017, as introduced on Dec. 11, 2017 (Bill 22-628).

## GOVERNMENT OF THE DISTRICT OF COLUMBIA Office of the Attorney General



ATTORNEY GENERAL KARL A. RACINE

Legal Counsel Division

## **MEMORANDUM**

TO:

Lolita S. Alston

Director

Office of Legislative Support

FROM:

Janet M. Robins

**Deputy Attorney General Legal Counsel Division** 

· DATE:

**September 25, 2018** 

SUBJECT:

Legal Sufficiency Review of Draft Revised Synthetics Abatement and Full

**Enforcement Drug Control Emergency, Temporary, and Permanent** 

**Amendment Acts** 

(AE-18-515)

This is to Certify that this Office has reviewed the above-

referenced draft legislation and found it to be legally sufficient. If you have any questions in this regard, please do not hesitate to call me at 724-5524.