



Cayman Chemical ATR Designer Drug Library

Library Listing – 183 spectra

This forensic drug library containing spectra of synthetic psychoactive substances based on pure reference material obtained from Cayman Chemicals. The library contains FT-IR spectra of synthetic cannabonoids, synthetic cathinones, synthetic piperazines, and tryptamines.

The library consists of spectra that were acquired by Thermo Fisher Scientific using an FT-IR spectrometer using an all-diamond single-bounce ATR. The materials were secured as pure drug standards from Cayman Chemicals. These materials were synthesized, purified, and characterized at the Cayman Chemicals ISO/IEC 17025:2005 accredited and DEA-inspected laboratory in Ann Arbor, Michigan. A few milligrams of powdered material were placed on the diamond ATR crystal and collected for a period sufficient to obtain high quality spectra. The materials have a purity of 95% or better.

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
12	(+)-CP 55,940	76	2-Methylethcathinone hydrochloride
83	(+)WIN 55212-2 mesylate	26	2-Methylmethcathinone hydrochloride
171	(+/-)-CP 47,497	108	3,4-Dimethoxymethamphetamine hydrochloride
172	(+/-)-CP 47,497-C8 homolog	78	3,4-Dimethylethcathinone hydrochloride
145	(+/-)-CP 55,940	151	3,4-Dimethylmethcathinone hydrochloride
150	(S)-2-Diphenylmethylpyrrolidine hydrochloride	39	3',4'-Methylenedioxy-alpha-pyrrolidinobutiophenone hydrochloride
107	1-(4-Fluorobenzyl)piperazine hydrochloride	40	3',4'-Methylenedioxy-alpha-pyrrolidinopropiophenone hydrochloride
73	1-(m-Trifluoromethylphenyl)piperazine hydrochloride	69	3-Ethylethcathinone hydrochloride
72	1-(p-Fluorophenyl)piperazine hydrochloride	37	3-Ethylmethcathinone hydrochloride
74	1,4-Dibenzylpiperazine hydrochloride	134	3-Fluoroamphetamine hydrochloride
143	1'-Naphthoyl indole	80	3-Fluoroethcathinone hydrochloride
124	2,3-Dimethylmethcathinone	131	3-Fluoromethamphetamine hydrochloride
155	2,3-Methylenedioxy-methcathinone hydrochloride	24	3-Fluoromethcathinone hydrochloride
181	25B-NBOMe hydrochloride	30	3-Methoxymethcathinone hydrochloride
180	25C-NBOMe hydrochloride	48	3-Methyl-alpha-pyrrolidinobutiophenone hydrochloride
183	25D-NBOMe hydrochloride	77	3-Methylethcathinone hydrochloride
182	25H-NBOMe hydrochloride	27	3-Methylmethcathinone hydrochloride
154	25I-NBOMe	68	4-Ethylethcathinone hydrochloride
106	2-AI hydrochloride	35	4-Ethylmethcathinone hydrochloride
88	2C-C hydrochloride	75	4-Ethyl-N,N-dimethylcathinone hydrochloride
84	2C-D hydrochloride	136	4-FA hydrochloride
6	2C-E hydrochloride	81	4-Fluoroethcathinone hydrochloride
21	2C-H hydrochloride	133	4-Fluoroisocathinone hydrochloride
5	2C-I hydrochloride	132	4-Fluoromethamphetamine hydrochloride
86	2C-N	25	4-Fluoromethcathinone hydrochloride
85	2C-P hydrochloride	123	4-Hydroxy DiPT hydrochloride
87	2C-T-2 hydrochloride	125	4-Hydroxy MET
89	2C-T-4 hydrochloride	158	4-Hydroxy MiPT
70	2-Ethylethcathinone hydrochloride	166	4-Methoxy DMT
36	2-Ethylmethcathinone hydrochloride	45	4'-Methoxy-alpha-pyrrolidinopropiophenone tosylate
138	2-Fluoroamphetamine hydrochloride	113	4-Methoxy-N,N-dimethylcathinone hydrochloride
79	2-Fluoroethcathinone hydrochloride	121	4-Methyl-alpha-ethylaminobutiophenone hydrochloride
139	2-Fluoromethamphetamine hydrochloride	50	4-Methyl-alpha-pyrrolidinobutiophenone hydrochloride
23	2-Fluoromethcathinone hydrochloride	46	4'-Methyl-alpha-pyrrolidinohexanophenone hydrochloride
29	2-Methoxymethcathinone hydrochloride	44	4'-Methyl-alpha-pyrrolidinopropiophenone hydrochloride
49	2-Methyl-alpha-pyrrolidinobutiophenone hydrochloride	122	4-Methylbuphedrone
47	2-Methyl-alpha-pyrrolidinopropiophenone hydrochloride	167	4-Methylethcathinone hydrochloride

Cayman Chemical ATR Designer Drug Library



<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
1	4-Methylmethcathinone hydrochloride	137	D2PM hydrochloride
112	4-Methyl-N-methylbuphedrone hydrochloride	51	Desoxypipredrol hydrochloride
135	5-APB hydrochloride	109	Diethylcathinone hydrochloride
176	5-APDB hydrochloride	117	DiPT
105	5-IAI hydrochloride	118	DPT hydrochloride
159	5-Methoxy AMT	28	Ethcathinone hydrochloride
93	5-Methoxy DALT	32	Eutylone hydrochloride
162	5-Methoxy MiPT	102	Harmaline
175	6-APB hydrochloride	170	HU-210
177	6-APDB hydrochloride	53	HU-211
157	9-Octadecenamide	111	IMMA
160	AB-005	58	JP104
179	AB-FUBINACA	8	JWH-015
178	AB-PINACA	16	JWH-018
142	AKB48	11	JWH-020
42	alpha-Pyrrolidinobutiophenone hydrochloride	100	JWH-020
41	alpha-Pyrrolidinopentiophenone hydrochloride	126	JWH-072
43	alpha-Pyrrolidinopropiophenone hydrochloride	15	JWH-073
147	AM1220	9	JWH-081
149	AM1235	10	JWH-122
61	AM1241	97	JWH-145
82	AM1248	98	JWH-147
18	AM2201	128	JWH-180
103	AM2233	91	JWH-182
110	AM251	17	JWH-200
55	AM630	13	JWH-203
163	AM679	22	JWH-210
67	AM694	161	JWH-249
174	BB-22	7	JWH-250
153	bk-DMBDB hydrochloride	95	JWH-307
152	bk-MDDMA hydrochloride	99	JWH-368
33	bk-MDEA hydrochloride	144	JZL 184
31	Buphedrone hydrochloride	165	JZL 195
3	Butylone hydrochloride	129	MAM2201
115	Cannabipiperidiethone	66	MDA 19
62	CB-13	90	MDA 77
59	CB-25	38	MDAI hydrochloride
60	CB-52	101	MDMA methylene homolog hydrochloride

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<u>Index</u>	<u>Compound Name</u>	<u>Index</u>	<u>Compound Name</u>
168	Meconin		
65	Methedrone hydrochloride		
169	Methoxetamine hydrochloride		
4	Methylenedioxypropiovalerone hydrochloride		
94	Methylhexanamine hydrochloride		
2	Methylone hydrochloride		
148	Mitragynine		
130	N,N-Dimethylcathinone hydrochloride		
64	Naphyrone hydrochloride		
114	N-Ethylbuphedrone hydrochloride		
116	para-Methoxymethamphetamine hydrochloride		
173	PB-22		
104	Pentedrone hydrochloride		
34	Pentylone hydrochloride		
146	Phenazepam		
71	Phenylpiperazine hydrochloride		
54	Pravadoline		
19	RCS-4		
96	RCS-4-C4 homolog		
20	RCS-8		
119	Salvinorin A		
120	Salvinorin B		
141	STS-135		
140	UR-144		
164	URB447		
63	URB597		
57	URB602		
56	URB754		
92	URB937		
127	WIN 54,461		
14	WIN 55212 Mesylate		
52	XLR11		
156	XLR11 N-(4-pentenyl) analog		