

INFRA-RED SPECTRA ACCEPTED FOR DEPOSITION

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C.S. No.	Name.	
<i>J., 1953, 1199. Haszeldine and Steele.</i>		
1	1 : 1 : 1-Trifluorobut-2-ene	$\text{CF}_3 \cdot \text{CH} : \text{CH} \cdot \text{CH}_3$
2	1-Chloro-3 : 3-trifluoroprop-1-ene	$\text{CF}_3 \cdot \text{CH} : \text{CHCl}$
3	3 : 3-Dichloro-1 : 1 : 1-trifluoropropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CHCl}_2$
4	2 : 3-Dichloro-1 : 1 : 1-trifluoropropane	$\text{CF}_3 \cdot \text{CHCl} \cdot \text{CH}_2\text{Cl}$
5	1 : 1 : 1-Trifluoropropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CH}_3$
6	3-Chloro-1 : 1 : 1-trifluoropropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CH}_2\text{Cl}$
7	3-Bromo-1 : 1 : 1-trifluoropropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CH}_2\text{Br}$
8	1 : 1 : 1-Trifluoro-3-iodopropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CH}_2\text{I}$
9	1 : 1 : 1 : 3-Tetrafluoro-3-iodopropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CHF I}$
10	1 : 1 : 1 : 3 : 5-Pentafluoro-5-iodopentane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CHF} \cdot \text{CH}_2 \cdot \text{CHF I}$
11	1 : 1 : 1 : 3-Tetrafluoropropane	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CH}_2\text{F}$
12	1 : 3 : 3 : 3-Tetrafluoroprop-1-ene	$\text{CF}_3 \cdot \text{CH} : \text{CHF}$
13	Methyl $\gamma\gamma\gamma$ -trifluoro- α -iodobutyrate	$\text{CF}_3 \cdot \text{CH}_2 \cdot \text{CHI} \cdot \text{CO}_2\text{Me}$
<i>J., 1953, 1548. Haszeldine and Leedham.</i>		
14	Perfluoropropionic acid	$\text{C}_2\text{F}_5 \cdot \text{CO}_2\text{H}$
15	Methyl perfluoropropionate	$\text{C}_2\text{F}_5 \cdot \text{CO}_2\text{Me}$
16	Ethyl perfluoropropionate	$\text{C}_2\text{F}_5 \cdot \text{CO}_2\text{Et}$
17	$\alpha\alpha\alpha\beta\beta$ -Pentafluoropropionamide	$\text{C}_2\text{F}_5 \cdot \text{CO} \cdot \text{NH}_2$
18	Perfluoropropionyl chloride	$\text{C}_2\text{F}_5 \cdot \text{COCl}$
19	Perfluoropropionic anhydride	$(\text{C}_2\text{F}_5 \cdot \text{CO})_2\text{O}$
20	Perfluoropropionitrile	$\text{C}_2\text{F}_5 \cdot \text{CN}$
21	Nitron salt of perfluoropropionic acid	$\text{C}_{23}\text{H}_{17}\text{O}_2\text{N}_4\text{F}_5$
<i>J., 1953, 1552. Emel�us, Haszeldine, and Walaschewski.</i>		
22	Tristrifluoromethylarsine	$\text{As}(\text{CF}_3)_3$
23	Iodobistrifluoromethylarsine	$(\text{CF}_3)_2\text{AsI}$
24	Chlorobistrifluoromethylarsine	$(\text{CF}_3)_2\text{AsCl}$
25	Fluorobistrifluoromethylarsine	$(\text{CF}_3)_2\text{AsF}$
26	Bistrifluoromethylarsine	$(\text{CF}_3)_2\text{AsH}$
27	Cyanobistrifluoromethylarsine	$(\text{CF}_3)_2\text{As} \cdot \text{CN}$
28	Methylbistrifluoromethylarsine	$(\text{CF}_3)_2\text{As} \cdot \text{CH}_3$
29	Tetrakistrifluoromethyldiarsine	$(\text{CF}_3)_2\text{As} \cdot \text{As}(\text{CF}_3)_2$
30	Di-iodo(trifluoromethyl)arsine	$\text{CF}_3 \cdot \text{AsI}_2$
31	Dichloro(trifluoromethyl)arsine	$\text{CF}_3 \cdot \text{AsCl}_2$
32	Trifluoromethylarsine	$\text{CF}_3 \cdot \text{AsH}_2$
33	Tristrifluoromethylarsine dichloride	$(\text{CF}_3)_3\text{AsCl}_2$
34	Bistrifluoromethylarsinic acid	$(\text{CF}_3)_2\text{AsO}_2\text{H}$
35	Silver bistrifluoromethylarsinate	$(\text{CF}_3)_2\text{AsO}_2\text{Ag}$
<i>J., 1953, 1592. Haszeldine and Steele.</i>		
36	1 : 1-Dichlorohexafluoropropane	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CFCl}_2$
37	1 : 2-Dichlorohexafluoropropane	$\text{CF}_3 \cdot \text{CFCl} \cdot \text{CF}_2\text{Cl}$
38	3 : 3-Dichloro-1 : 1 : 1 : 2 : 2 : 3-hexafluoropropane	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CFCl}_2$
39	3 : 4-Dichlorododecafluorohexane	$(\text{C}_2\text{F}_5 \cdot \text{CFCl})_2$
40	1-Chloroheptafluoropropane	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CF}_2\text{Cl}$
41	1-Chlorohexafluoro-1-iodopropane	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CFC I}$
42	Perfluorohex-3-ene	$\text{C}_2\text{F}_5 \cdot \text{CF} : \text{CF} \cdot \text{C}_2\text{F}_5$
43	1 : 2 : 3 : 3 : 3-Pentafluoroprop-1-ene	$\text{CF}_3 \cdot \text{CF} : \text{CHF}$
44	1 : 3-Dichlorononafluoro-1-iodopentane	$\text{CF}_3 \cdot [\text{CF}_2 \cdot \text{CFCl}]_2 \cdot \text{I}$
45	1 : 1 : 3-Trichlorononafluoropentane	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CFCl} \cdot \text{CF}_2 \cdot \text{CFCl}_2$
46	3-Chloro-1 : 2 : 3 : 4 : 4 : 5 : 5 : 5-octafluoropent-1-ene	$\text{CF}_3 \cdot \text{CF}_2 \cdot \text{CFCl} \cdot \text{CF} : \text{CHF}$

C.S. No.	Name.	
		<i>J.</i> , 1953, 2525. Haszeldine.
47	Tribromonitromethane	$\text{CBr}_3 \cdot \text{NO}_2$
48	Trichloronitromethane	$\text{CCl}_3 \cdot \text{NO}_2$
		<i>J.</i> , 1953, 2933. Elks, Evans, Robinson, Thomas, and Wyman.
49	3 β -Acetoxyergost-22-en-11-one	
50	3 β -Acetoxy-9 β -ergost-22-en-11-one	
		<i>J.</i> , 1953, 3219. Haszeldine and Kidd.
51	Bistrifluoromethyl trisulphide	$\text{CF}_3 \cdot \text{S}_3 \cdot \text{CF}_3$
52	Bistrifluoromethyl tetrasulphide	$\text{CF}_3 \cdot \text{S}_4 \cdot \text{CF}_3$
53	Trifluoromethanethiol	$\text{CF}_3 \cdot \text{SH}$
54	Trifluoromethylthiomericuric chloride	$\text{CF}_3 \cdot \text{S} \cdot \text{HgCl}$
55	Bis(trifluoromethylthio)mercury	$(\text{CF}_3 \cdot \text{S})_2 \text{Hg}$
56	Trifluoromethanesulphenyl chloride	$\text{CF}_3 \cdot \text{SCI}$
57	Trichloromethanesulphenyl chloride	$\text{CCl}_3 \cdot \text{SCI}$
		<i>J.</i> , 1954, 34. Michelson and Todd.
58	Cytidylic acid <i>a</i> (H_2O form)	
59	Cytidylic acid <i>b</i> (alcoholic form)	
60	Deoxycytidine-5' phosphate	
61	Cytidine-5' phosphate	
62	Deoxycytidine-3' phosphate	
63	Cytidylic acid <i>b</i> (H_2O form of Harris, Orr, Roe, and Thomas, <i>J.</i> , 1953, 489)	
		<i>J.</i> , 1954, 463. Elks, Evans, Oughton, and Thomas.
64	3 β : 5 α -Diacetoxyergosta-9(11) : 22-dien-7-one	
65	3 β : 5 α -Diacetoxyergosta-8(9) : 22-dien-7-one	
66	Ergosta-3 : 5 : 8(9) : 22-tetraen-7-one	
67	9 α : 11 α -Epoxyergosta-7 : 22-diene-3 β : 5 α -diol	
68	3 β : 5 α -Dihydroxyergosta-9(11) : 22-dien-7-one	
69	Methyl 3 β -acetoxy-5 α -hydroxy-7-oxobisnorallochol-9(11)-enoate	
		<i>J.</i> , 1954, 468. Elks.
70	Ergosta-4 : 6 : 8(9) : 22-tetraen-3-one	
71	Ergosta-4 : 6 : 8(14) : 22-tetraen-3-one	
		<i>J.</i> , 1954, 691. Haszeldine and Jander.
72	Nitrosyl chloride	NOCl
73	<i>n</i> -Butyl nitrite	$\text{BuO} \cdot \text{NO}$
74	<i>n</i> -Pentyl nitrite	$n\text{-C}_5\text{H}_{11} \cdot \text{O} \cdot \text{NO}$
75	Nitrosodimethylamine	$(\text{CH}_3)_2\text{N} \cdot \text{NO}$
76	Nitrosodiethylamine	$\text{Et}_2\text{N} \cdot \text{NO}$
77	Nitrosodi- <i>n</i> -propylamine	$\text{Pr}^n_2\text{N} \cdot \text{NO}$
78	Di- <i>n</i> -pentylnitrosamine	$(n\text{-C}_5\text{H}_{11})_2\text{N} \cdot \text{NO}$
79	Di- <i>n</i> -hexylnitrosamine	$(n\text{-C}_6\text{H}_{13})_2\text{N} \cdot \text{NO}$
80	Nitrosopiperidine	$\text{CH}_2 \cdot \text{[CH}_2\text{]}_3 \cdot \text{CH}_2 \cdot \text{N} \cdot \text{NO}$
		<i>J.</i> , 1954, 696. Haszeldine and Jander.
81	<i>N</i> -Nitroso- <i>ON</i> -bistrifluoromethylhydroxylamine	
		<i>J.</i> , 1954, 912. Haszeldine and Jander.
82	Trifluoronitrosomethane	$\text{CF}_3 \cdot \text{NO}$
83	Trifluoronitromethane	$\text{CF}_3 \cdot \text{NO}_2$
		<i>J.</i> , 1954, 919. Haszeldine and Jander.
84	Hexafluoroazoxymethane	$\text{CF}_3 \cdot \text{N} \cdot \text{N}(\text{O}) \cdot \text{CF}_3$
85	Ethyl nitrate	$\text{EtO} \cdot \text{NO}_2$

C.S. No.	Name.	
<i>J.</i> , 1954, 747. Barton, Evans, Hamlet, Jones, and Walker.		
86	3 β -Acetoxy-9 α -hydroxyergostan-11-one	
87	3 β -Acetoxyergost-8(9)-en-11-one	
88	3 β -Acetoxy-9 α : 17 α -dihydroxyallopregnane-11 : 20-dione	
89	3 β : 17 α -Dihydroxyallopregnane-11 : 20-dione	
90	3 β -Acetoxyallopregn-8(9)-ene-11 : 20-dione	
91	3 β : 20-Diacetoxyallopregn-17(20)-en-11-one	
<i>J.</i> , 1954, 881. Emeléus, Haszeldine, and Paul.		
92	Trifluoromethylpyroarsonic acid	[CF ₃ ·AsO(OH)] ₂ O
93	Dimethylfluoromethylarsine	(CH ₃) ₂ AsCF ₃
94	Monosilver salt of trifluoromethylarsonic acid	CF ₃ ·AsO(OH)(OAg)
95	Disilver salt of trifluoromethylarsonic acid	CF ₃ ·AsO(OAg) ₂
96	Trifluoromethylarsonic anhydride	CF ₃ ·AsO ₂
97	Trifluoromethylarsonic acid	CF ₃ ·AsO(OH) ₂
<i>J.</i> , 1954, 923. Haszeldine and Steele.		
98	1 : 1 : 1 : 3 : 3-Pentafluoro-3-iodopropane	CF ₃ -CH ₂ ·CF ₂ I
99	1-Bromo-1 : 1-difluoro-2-iodoethane	CBrF ₂ ·CH ₂ I
100	1 : 1 : 3 : 3 : 3-Pentafluoropropane	CF ₃ ·CH ₂ ·CF ₂
101	1-Bromo-2-chloro-1 : 1-difluoroethane	CBrF ₂ ·CH ₂ Cl
<i>J.</i> , 1954, 1817. Gardner, Grove, and Ismay.		
102	3-Methoxybenzene-1 : 2 : 4-tricarboxylic acid	
103	Methyl 3-methoxybenzene-1 : 2 : 4-tricarboxylate	
104	4-Methoxybenzene-1 : 2 : 3-tricarboxylic acid	
105	Methyl 4-methoxybenzene-1 : 2 : 3-tricarboxylate	
106	5-Methoxybenzene-1 : 2 : 4-tricarboxylic acid	
107	Methyl 5-methoxybenzene-1 : 2 : 4-tricarboxylate	
108	5-Methoxybenzene-1 : 2 : 3-tricarboxylic acid	
109	Methyl 5-methoxybenzene-1 : 2 : 3-tricarboxylate	
110	6-Methoxybenzene-1 : 2 : 4-tricarboxylic acid	
111	Methyl 6-methoxybenzene-1 : 2 : 4-tricarboxylate	
<i>J.</i> , 1954, 1739. Elks, Phillips, Taylor, and Wyman.		
112	Hecogenin acetate toluene- <i>p</i> -sulphonylhydrazone	
113	3 β -Acetoxy-17 ξ : 17 α ξ -dibromo-c-nor-D-homo-5 α : 22 α -spirostan	
114	3 β -Acetoxy-c-nor-D-homo-5 α : 22 α -spirostan-17 ξ -ol (?) (from "epoxide Q")	
115	3 β -Acetoxy-c-nor-D-homo-5 α : 22 α -spirostan-17 ξ : 17 α -diol	
116	3 β : 12 β -Diacetoxy-5 α : 22 α -spirostan	
117	12 α -Acetoxy-5 α : 22 α -spirostan-3 β -ol	
118	12 α -Acetoxy-5 α : 22 α -spirostan-3-one	
119	3 β -Acetoxy-5 α : 22 α -spirost-11-en	
120	3 β -Acetoxy-11 α : 12 α -epoxy-5 α : 22 α -spirostan	
121	Hecogenone	
122	Rockogenin 3-monoacetate	
123	3 β -Acetoxy-c-nor-D-homo-5 α : 22 α -spirostan-17 α ξ -ol (?) (from "epoxide P")	
124	3 β : 12 α -Diacetoxy-5 α : 22 α -spirostan	
<i>J.</i> , 1954, 3598. Bennett, Emeléus, and Haszeldine.		
125	Monosodium trifluoromethylphosphonate	CF ₃ ·PO(OH)(ONa)
126	Disodium trifluoromethylphosphonate	CF ₃ ·PO(ONa) ₂
127	Sodium trifluoromethylphosphonite	CF ₃ ·PH(:O)(ONa)
<i>J.</i> , 1954, 2816. Crombie and Tayler.		
128	α -Kamlolenic acid	
129	β -Kamlolenic acid	
130	Methyl β -kamlolenate	
131	α -Elæostearic acid	
132	β -Elæostearic acid	

C.S. No.	Name.	
	<i>J.</i> , 1954, 3896. Bennett, Emeléus, and Haszeldine.	
133	Bistrifluoromethylphosphine	$\text{PH}(\text{CF}_3)_2$
134	Trifluoromethylphosphine	$\text{CF}_3 \cdot \text{PH}_2$
	<i>J.</i> , 1954, 4228. Haszeldine and Kidd.	
135	Methanesulphonic acid	$\text{CH}_3 \cdot \text{SO}_3\text{H}$
136	Sodium methanesulphonate	$\text{CH}_3 \cdot \text{SO}_3\text{Na}$
137	Sodium trifluoromethanesulphonate	$\text{CF}_3 \cdot \text{SO}_3\text{Na}$
138	Silver trifluoromethanesulphonate	$\text{CF}_3 \cdot \text{SO}_3\text{Ag}$
139	Barium trifluoromethanesulphonate	$[\text{CF}_3 \cdot \text{SO}_3]_2\text{Ba}$
	<i>J.</i> , 1954, 4040. Arnall. (Pyridane)	
140	2 : 3- <i>cyclo</i> Pentenopyridine	