

FC-43 (Perfluorotributylamine) Calibration Compound For Mass Spectrometers

Scientific Instrument Services™, Inc., supplies the FC-43 calibration compound for the calibration of mass spectrometers. This compound is available in bottles of 35, 100, and 200 grams and has the specifications listed below:

Specifications

FC-43 - Perfluorotributylamine
Molecular Weight - 671
Formula - (CF₃(CF₂)₃)₃N
Boiling Point - 170°-180°C
d₂₅-1.88



FC-43 Major Mass Spec Peaks - EI

m/z	Rel. Abundance	m/z	Rel. Abundance
69	100	181	1.8
70	1.1	214	1.2
76	0.7	219	50.7
81	0.6	220	2.3
93	1.3	226	1.0
95	0.6	264	13.4
100	17.7	265	0.7
101	0.7	314	1.8
112	0.8	326	0.3
113	0.8	352	0.7
114	7.9	376	0.4
119	13.0	414	3.4
131	47.9	415	0.4
132	1.7	426	0.6
145	1.0	448	0.2
150	2.8	464	1.5
164	1.4	502	2.6
169	4.0	503	0.2
176	1.5	-	-

FC-43 by Methane Negative CI

m/z	Rel. Abundance	m/z	Rel. Abundance
214	1.51	431	1.88
219	2.80	433	20.05
226	1.77	434	2.00
231	2.60	443	1.24
233	2.40	445	22.50
245	2.50	446	2.13
264	10.31	452	100.00
269	2.58	453	25.46
276	3.31	454	1.09
281	5.87	464	11.07
283	11.79	465	1.57
295	3.30	476	5.38
296	1.59	481	1.18
300	1.39	483	55.17
302	58.19	484	5.72
303	3.09	493	1.24
312	8.02	495	2.22
314	3.62	502	1.97
319	2.34	514	28.59
326	1.22	515	3.31
331	4.82	526	2.84
333	20.89	533	9.43
334	1.48	534	1.19
343	1.02	538	1.69
345	1.18	545	2.36
350	3.72	552	1.12
352	11.20	557	8.88
362	1.36	558	1.37
364	7.19	565	9.67
369	2.02	565	1.40
376	3.71	576	2.33
381	3.12	583	6.46
383	11.28	595	58.89
393	1.12	605	1.18
395	3.13	614	1.53
402	4.88	633	100.00
414	34.39	634	19.01
415	2.84	635	1.29
419	1.55	645	1.57
426	6.64	655	1.05
-	-	683	356

Part No.	Description	Price each
FC-43-35	35 gram bottle of FC-43	

ESCAL

New Calibration Compound for Mass Spectrometers

Scientific Instrument Services introduces a new calibration mixture for electrospray ion sources. This mixture covers a wide mass range from 195 to 1922. It is already in the proper concentration to run directly in an electrospray source without dilution. The mixture consists of caffeine, MRFA (met-arg-phe-ala) peptide, and perfluoroalkylphosphazine.

ESCAL Mass Spec Peaks - ESI (+)

Exact Mass	Composition
195.08765	C8H11N4O2
524.26469	C23H38N7O5S
1022.00342	C20H19O6N3P3F28
1121.99702	C22H19O6N3P3F32
1221.99702	C24H19O6N3P3F36
1321.98425	C26H19O6N3P3F40
1421.97786	C28H19O6N3P3F44
1521.97148	C30H19O6N3P3F48
1621.96509	C32H19O6N3P3F52
1721.95870	C34H19O6N3P3F56
1821.95232	C36H19O6N3P3F60
1921.94593	C38H19O6N3P3F64

Part No.	Description	Price each
ESCA	5 ML BTL OF ESCAL	