FC-70 (Perfluorotripentylamine) Calibration Compound

This new Calibration compound is an ideal supplement to FC-43 and will be extremely useful for calibration in the 500 to 600 mass range. FC-70 is a liquid at room temperature and can be used in the same manner as FC-43. FC-70 is available in bottles of 35 and 100 grams.

Specifications

FC-70 - Perfluorotripentylamine
Molecular Weight - 821 Formula - (CF3(CF2)4)3N
Boiling Point - 215°C d25 - 1.94

FC-70 Mass Spec Peaks - El

m/z	Rel. Abundance	m/z	Rel. Abundance
50	0.8	181	14.0
69	100	182	0.6
70	1.2	219	0.8
93	1.1	231	0.8
100	9.1	269	19.8
114	3.5	270	1.1
119	10.9	314	3.3
120	0.6	364	0.2
131	14.0	514	0.8
132	0.4	526	0.4
151	1.2	564	0.8
169	3.3	602	0.4

FC-70 by Methane Negative Cl

m/z	Rel. Abundance	m/z	Rel.Abundance
219	1.97	552	100.00
281	1.50	553	11.99
314	1.99	564	4.04
333	4.92	576	1.48
352	4.96	583	1.84
383	1.49	602	3.37
395	1.36	614	7.08
412	1.50	626	2.23
414	1.95	633	1.47
433	4.06	664	4.51
450	1.17	676	1.31
452	3.39	683	1.18
464	1.50	733	1.54
476	1.87	745	4.54
483	1.90	783	14.47
502	3.20	784	2.37
514	12.87	833	1.40
515	1.66	-	-
526	1.30	-	-
533	4.45	-	-

Part No.	Description	Price each
FC-70-35	35 gram bottle of FC-70	

FAB Matrix Solutions

Scientific Instrument Services™ offers two solutions for suspension of samples on the FAB probe tips. Both glycerin and thioglycerin are available from S.I.S. These solutions are high purity, mass spectrometer quality mounting solutions.

Thioglycerin (3-mercapto - 1,2-propanediol) is preferred by many mass spectroscopists for use with certain compounds such as polyethyleneglycol and polypeptides.

Part No.	Description	Price ea.
FAB-GLY	4 ml bottle of glycerin	
FAB-TGL	4 ml bottle of thioglycerin	

Csl/Rbl/Nal Calibration Compound

Scientific Instrument Services is offering Cesium Iodide/Rubidium Iodide/Sodium Iodide FAB calibration compound. This 1:1:1 molar mixture is a 10% solution in distilled water. This compound is excellent for calibration up to the 2000 mass range because of the high number of peaks per scan.

m/z	Rel. Abundance	m/z	Rel. Abundance
22.900	60.00	770.352	0.01
45.980	0.20	816.348	0.01
84.912	100.00	864.32	0.01
107.901	0.30	912.335	0.02
132.905	100.00	934.174	0.01
155.895	0.30	982.168	0.01
172.884	5.00	1030.162	0.01
217.817	1.00	1072.250	0.01
234.806	1.00	1124.151	0.01
265.811	2.00	1172.145	0.01
282.800	1.00	1335.968	0.01
296.728	3.00	1372.038	0.01
322.778	1.00	1431.955	0.01
344.722	5.00	1521.932	0.01
392.715	7.00	1595.778	0.01
432.694	0.01	1643.771	0.01
472.673	0.01	1691.795	0.01
508.544	0.30	1821.721	0.01
542.610	0.60	1903.581	0.01
556.540	0.20	1971.615	0.01
582.588	0.30	2121.509	0.01
604.532	0.30	2163.391	0.01
622.567	0.01	2211.385	0.01
652.525	0.50	2471.195	0.01
722.358	0.02	-	-

Part No.	Description	Price ea.
FAB-C1	4 ml bottle of FAB-C1	

Cesium Iodide Calibration Compound

Cesium Iodide calibration compound is available from Scientific Instrument Services. This is a 10% solution in distilled water and is used for the 2000 to 5000 range.

m/z	Rel. Abundance	m/z	Rel. Abundance
132.905	100.00	2731.004	0.03
392.715	12.00	2990.814	0.01
652.525	2.00	3250.624	0.01
912.335	0.70	3510.434	0.01
1172.145	0.40	3770.244	0.02
1431.955	0.20	4030.054	0.01
1691.765	0.10	4289.864	0.01
1951.548	0.05	4549.674	0.01
2211.385	0.04	4809.484	0.01
2471.195	0.06	5069.294	0.01
-	-	5329.104	0.01

Part No.	Description	Price ea.
FAB-C2	4 ml bottle of FAB-C2	