

Certificate of Analysis

Fmoc-Cys(Trt)-OH

PurCert Standard

Product Number	PSR39421	CAS No.	103213-32-7
Brand	PureSynth	Lot No.	F39421T0525
Molecular Formula	C ₃₇ H ₃₁ NO ₄ S	Date of Mfg.	May, 2025
Molecular Weight	585.72 g/mol	Date of Exp.	April, 2030

Test	Specification	Result
Description	White to Almost white powder to crystal	White powder
Assay (by HPLC)	≥ 99.0 %	99.60 %
Water (by KF)	NMT 0.500 %	0.286 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by GC-MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

Storage Condition: Store at ambient temperature and keep container tightly closed in a dry and well-Ventilated place.

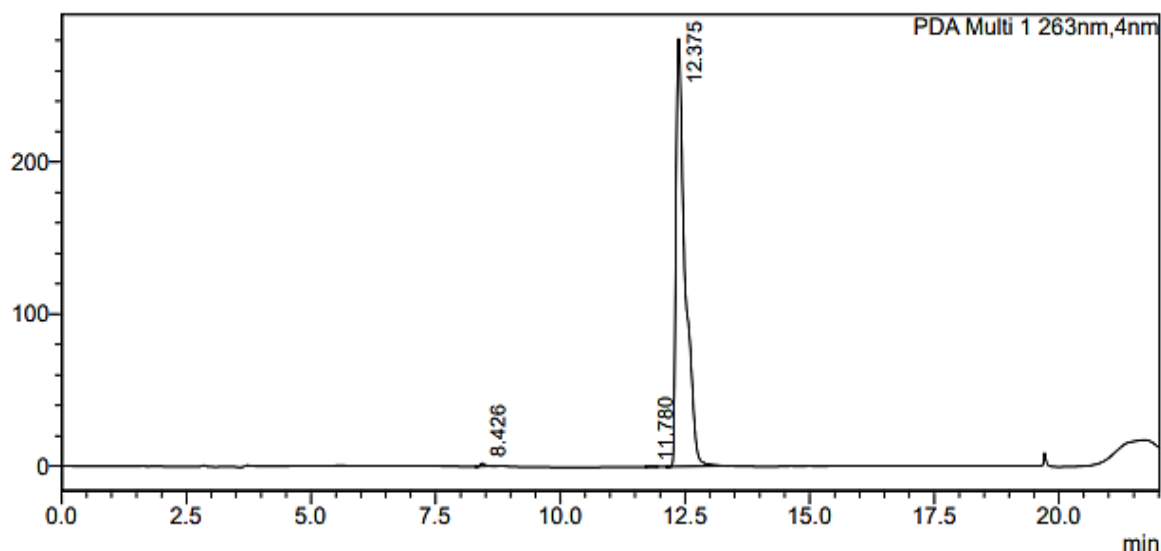
Remark: The batch complies with the prescribed quality of the above specification.

Assay by HPLC

Sample Name : Fmoc-Cys(Trt)-OH-F39421T0525
Data Filename : CAS-AR25000727-Fmoc-Cys(Trt)-OH-F39421T0525.lcd
Method Filename : shimpack-AA90-ACN-10-1.lcm
Vial # : 2-35
Injection Volume : 10 uL
Date Acquired : 6/6/2025 3:06:25 PM
Date Processed : 6/6/2025 4:02:27 PM

<Chromatogram>

mAU



<Peak Table>

PDA Ch1 263nm

Peak#	Ret. Time	Area	Height	Area%
1	8.426	13696	2089	0.376
2	11.780	813	134	0.022
3	12.375	3624666	281465	99.601
Total		3639174	283688	100.000

Purity by HPLC: 99.60 %

IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

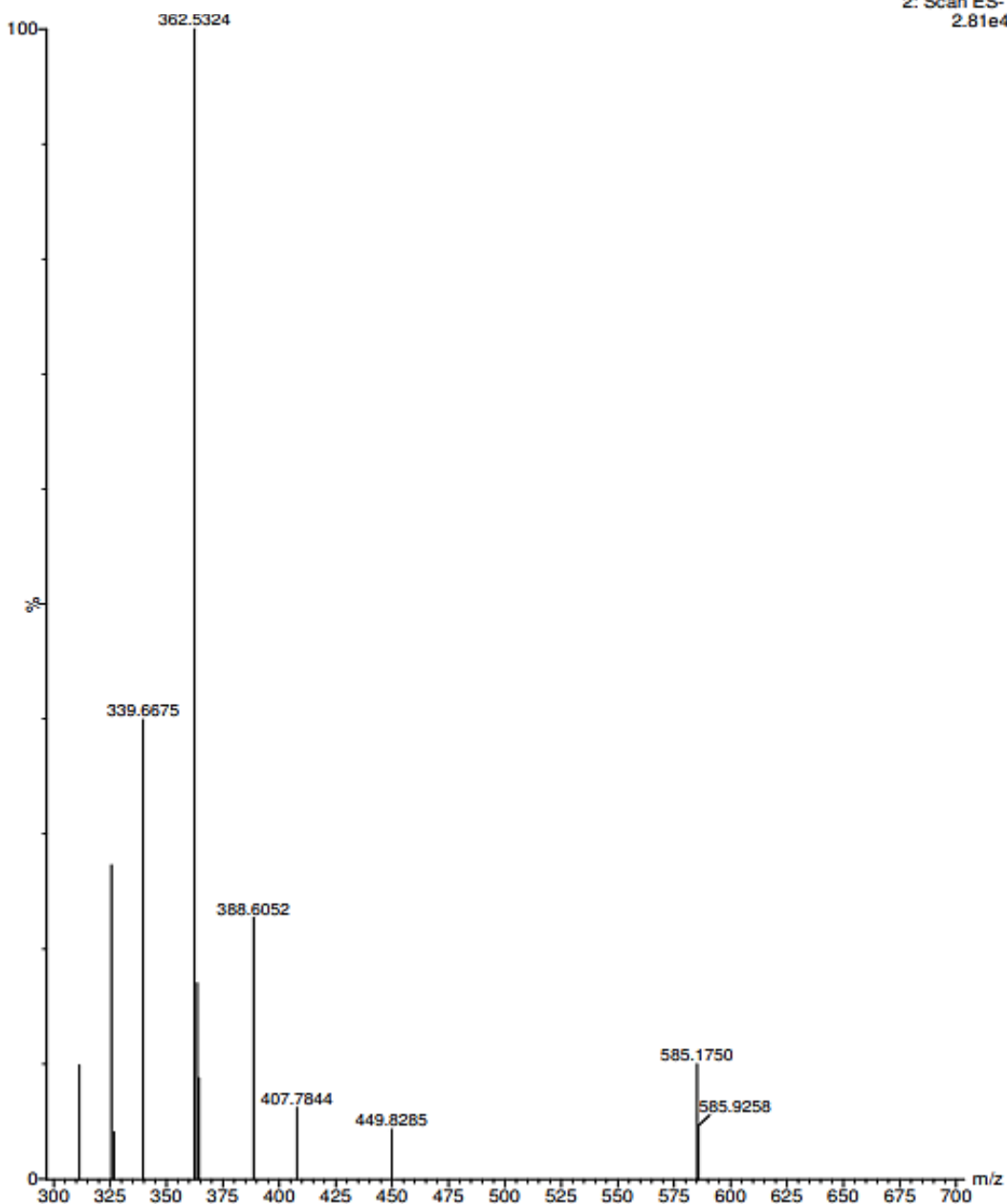
Product Name: Fmoc-Cys(Trt)-OH

Product Code: PSR39421

Fmoc-Cys(Trt)-OH-F39421T0525

07-Jun-2025 12:09:36

2: Scan ES-
2.81e4



Identification by GC-MS: Conforms to molecular mass

Infrared spectrum:

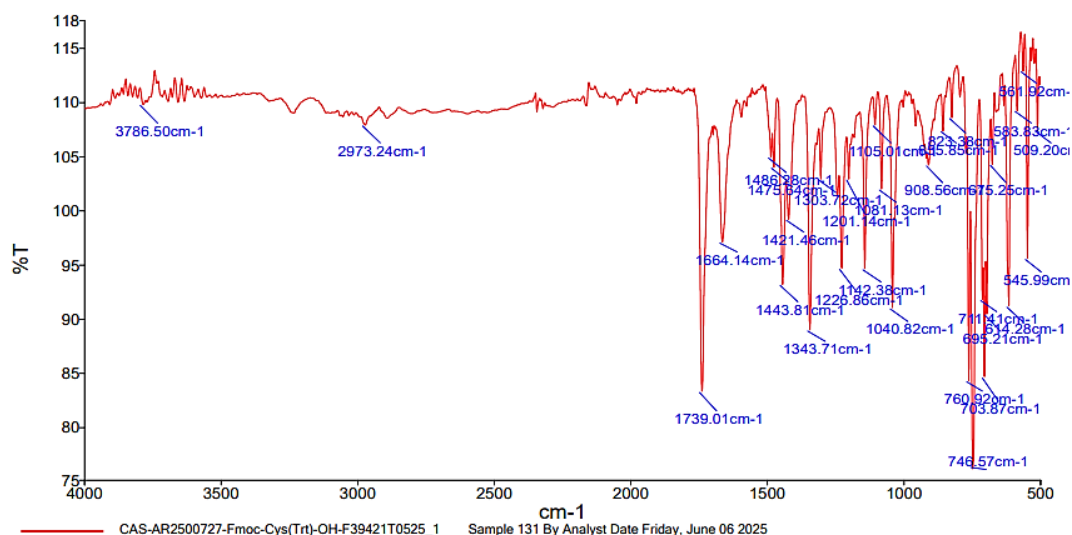
Product Name: Fmoc-Cys(Trt)-OH

Product Code: PSR39421

PerkinElmer Spectrum IR Version 10.7.2
06 June 2025 15:57

Analyst
Date

Analyst
06 June 2025 15:57



Source Spectra Results		
Spectrum Name	Number Of Peaks	
CAS-AR2500727-Fmoc-Cys(Trt)-OH-F39421T0525_1	46	
List of Peak Area/Height		
Peak Number	X (cm-1)	Y (%T)
1	3786.50	109.84
2	3695.93	110.14
3	3659.91	110.07
4	3636.45	110.15
5	3234.68	109.05
6	2973.24	107.96
7	2344.20	109.20
8	2049.57	109.82
9	1979.52	109.96
10	1739.01	83.35
11	1664.14	97.14
12	1595.01	108.68
13	1486.28	104.99
14	1475.64	104.05
15	1443.81	93.23
16	1421.46	99.25
17	1343.71	89.01
18	1303.72	102.97
19	1242.70	101.33
20	1226.86	94.74
21	1201.14	102.97
22	1142.38	94.67
23	1105.01	107.96
24	1081.13	102.05
25	1040.82	91.07
26	955.74	107.87
27	908.56	104.27
28	855.85	107.43
29	823.38	108.63
30	793.40	110.54
31	771.87	105.33
32	760.92	84.34
33	746.57	76.16
34	711.41	91.83
35	703.87	84.69
36	695.21	90.49
37	675.25	104.34
38	661.50	109.16
39	632.98	109.79
40	614.28	91.23
41	583.83	109.29
42	561.92	112.94
43	545.99	95.63
44	530.86	113.92
45	520.88	113.65
46	509.20	107.45

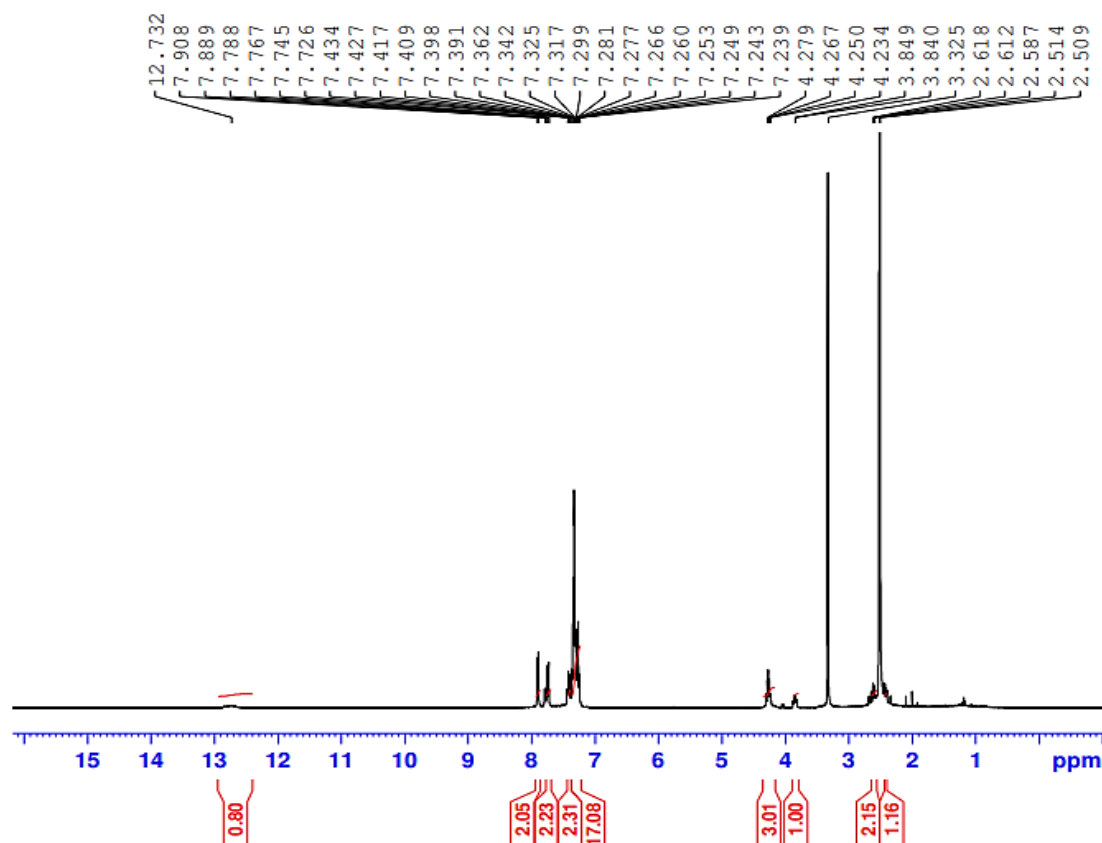
Identification by IR: Conforms to structure

¹H NMR Spectrum:

Product Name: Fmoc-Cys(Trt)-OH

Product Code: PSR39421

Fmoc-Cys (Trt) -OH
Batch no-F39421T0525
1H-NMR in DMSO



Identification by ¹H NMR: Conforms to structure

Maximum limits of impurities

WATER DETERMINATION

Method: Karl Fisher titration

Water Content (PSR39421) = 0.286 %

Approved By
Head - Technical

This is a computer-generated report -does not required sign