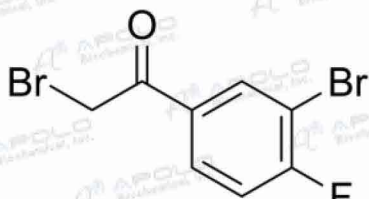


CERTIFICATE OF ANALYSIS

Product Name: 2-Bromo-1-(3-bromo-4-fluorophenyl)ethanone

Chemical Structure:



Lot Number: 266929CS0186563

CAT Number: APL-4352734

CAS Registry Number: 435273-49-7

Manufacture Date: 04/2023

Expiry Date: 04/2025

Molecular Formula: C₈H₅Br₂FO

Molecular Weight: 295.93

Storage: 2-8°C

Analysis Data

Item	Specification	Results
Appearance	White to off-white (Solid)	Conforms
¹ H NMR Spectrum	Consistent with structure	Conforms
Purity (GC)	≥ 98.00 %	98.97 %

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque 05/2023
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

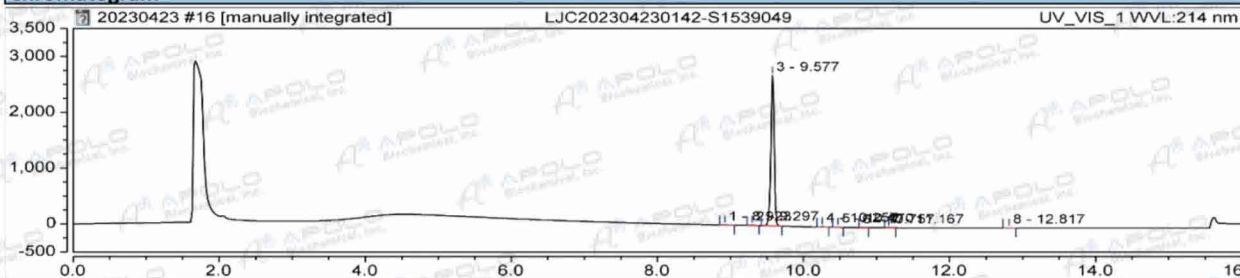
Chromatogram and Results

Injection Details

Injection Name: LJC202304230142-S1539049
Vial Number: BC2
Injection Type: Unknown
CAS NO.: 435273-49-7 A-RP-1059-1
Instrument Method: 10-90A_1-2 A C
Processing Method: 3D Quantitative-1
Injection Date/Time: 23/Apr/23 15:27
seq.creation_operator: JWS3650
instMeth.creation_operator: ZW3171

Run Time (min): 16.00
Injection Volume: 2.00
Channel: UV_VIS_2
Wavelength: 254
Bandwidth: 4
Dilution Factor: 1.0000
Sample Weight: 1.0000
seq.update_operator: ZW3171
rdf.update_operator: ZW3171

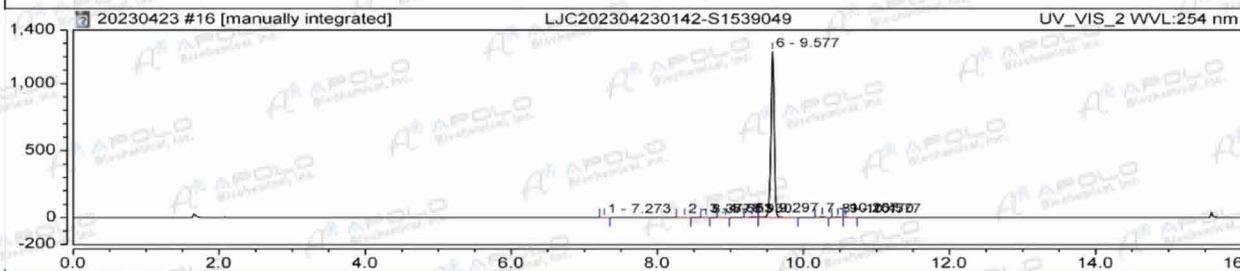
Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	3
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1		8.923	0.129	2.402	0.09	0.09	n.a.
2		9.297	0.557	9.430	0.38	0.35	n.a.
3		9.577	143.945	2690.155	98.97	98.99	n.a.
4		10.257	0.376	7.481	0.26	0.28	n.a.
5		10.470	0.338	6.726	0.23	0.25	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Total: 145.344 2716.193 99.93 99.95



Integration Results

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
UV_VIS_2	UV_VIS_2	UV_VIS_2	UV_VIS_2	UV_VIS_2	UV_VIS_2	UV_VIS_2	UV_VIS_2
1		7.273	0.018	0.371	0.03	0.03	n.a.
2		8.377	0.047	0.724	0.07	0.06	n.a.
3		8.663	0.042	0.847	0.06	0.07	n.a.
4		8.930	0.035	0.644	0.05	0.05	n.a.
5		9.297	0.260	3.921	0.40	0.31	n.a.
6		9.577	65.004	1237.356	98.88	98.96	n.a.
7		10.257	0.200	3.900	0.30	0.31	n.a.
8		10.470	0.109	2.070	0.17	0.17	n.a.
9		10.577	0.026	0.501	0.04	0.04	n.a.

CAS NO.: 435273-49-7, CDCL3

