

CERTIFICATE OF ANALYSIS

Product Name: 4-Fluorobenzeneboronic acid

Chemical Structure:



Lot Number: 294727CSD1103

CAT Number: APL-1765931

CAS Registry Number: 1765-93-1

Manufacture Date: 06/2023

Expiry Date: 06/2025

Molecular Formula: C₆H₆BF₂O₂

Molecular Weight: 139.92

Storage: 2-8°C

Analysis Data

Item	Specification	Results
Appearance	White to off-white (Solid)	Conforms
¹ H NMR Spectrum	Consistent with the structure	Conforms
Purity (NMR)	≥ 98.0 %	98.0 %

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

Jennifer LaBrecque 07/2023
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

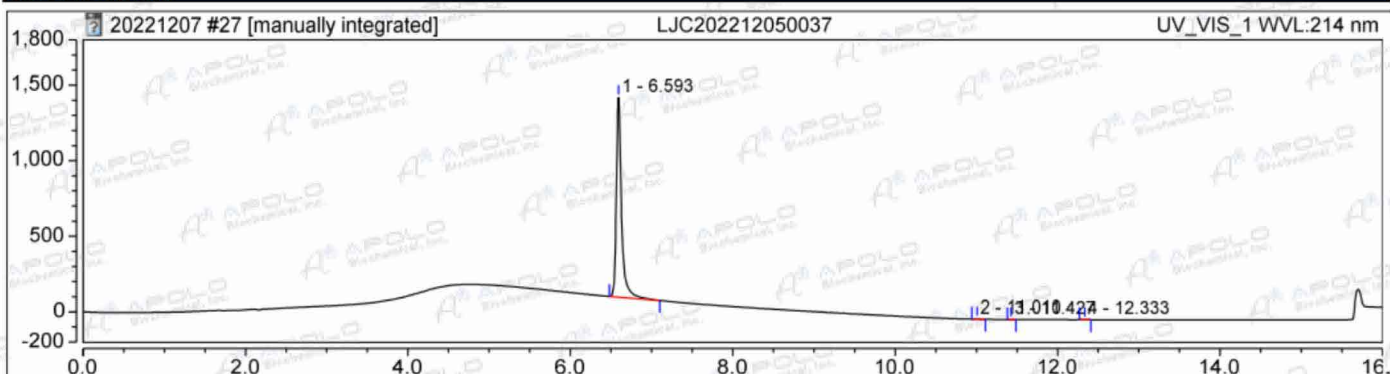
Chromatogram and Results

Injection Details

CAS NO.: 1765-93-1
Vial Number: RE3
Injection Type: Unknown
Comment:
Instrument Method: A-RP-1059-1 10-90A_6-1 C D
Processing Method: 3D Quantitative-1
Injection Date/Time: 07/Dec/22 18:15
seq.creation_operator: JWS3650
instMeth.creation_operator: ZW3171

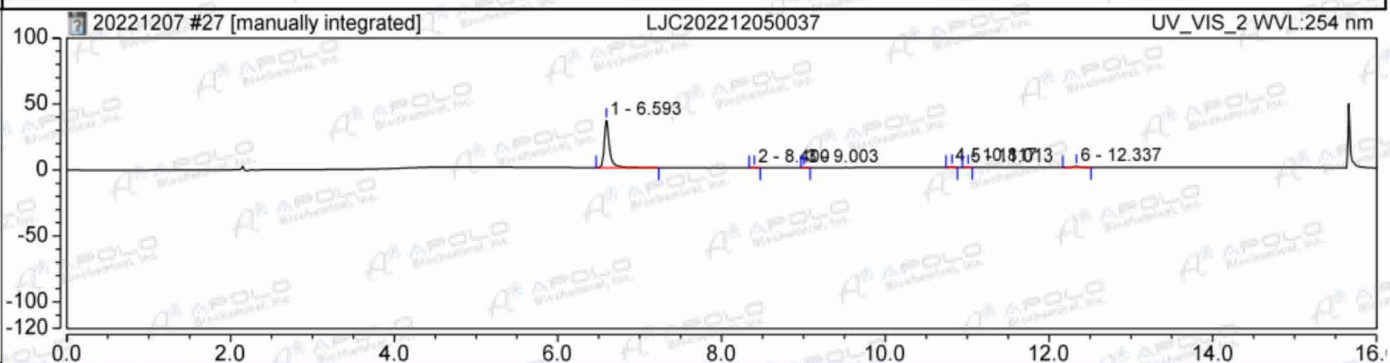
Run Time (min): 16.00
Injection Volume: 2.00
Channel: UV_VIS_1
Wavelength: 214
Bandwidth: 4
Dilution Factor: 1.0000
Sample Weight: 1.0000
seq.update_operator: ZW3171
rdf.update_operator: ZW3171

Chromatogram



Integration Results

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount n.a.
1		6.593	97.422	1321.365	99.83	99.81	n.a.
2		11.010	0.122	1.846	0.13	0.14	n.a.
3		11.427	0.012	0.227	0.01	0.02	n.a.
4		12.333	0.034	0.468	0.03	0.04	n.a.
Total:			97.590	1323.906	100.00	100.00	



Integration Results

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount n.a.
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		6.593	2.678	35.922	95.71	95.98	n.a.
2		8.400	0.004	0.079	0.15	0.21	n.a.
3		9.003	0.002	0.042	0.08	0.11	n.a.
4		10.817	0.026	0.466	0.92	1.24	n.a.
5		11.013	0.006	0.111	0.23	0.30	n.a.
6		12.337	0.081	0.809	2.91	2.16	n.a.

