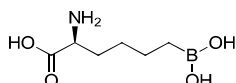




Certificate of Analysis

Axon Catalogue ID: 4414 **Batch Number:** 1
Product Name: ABH
Alternative Name(s): N.A.
IUPAC Name: (S)-2-Amino-6-(dihydroxyboryl)hexanoic acid

Structure:



Amount:

CAS number(s): 222638-65-5
Molecular Formula: C₆H₁₄BNO₄ **Molecular Weight:** 174.99
Batch Molecular Formula: C₆H₁₄BNO₄ **Batch Molecular Weight:** 174.99
Appearance: White solid **Observed mp:** 233 - 235 °C (decomp)
TLC (R_f): 0.4 EtOH/6N NH₃ (aq) (3:1)
Chemical Purity: >98%
Optical Purity (ee): 99.3%
Optical Rotation (Det.): [α]_D = +91.6° with c = 0.25 in DMSO
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 41.18, H 8.06, N 8.00; Found: C 40.79, H 8.03, N 8.25
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	17.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	7.7	43.8	
	EtOH	0.0	0.1	Insoluble

Remarks: Purity based on NMR.

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only