



Certificate of Analysis

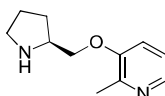
Axon Catalogue ID: 4497 **Batch Number:** 1

Product Name: ABT-089 dihydrochloride

Alternative Name(s): Pozanicline dihydrochloride

IUPAC Name: 2-Methyl-3-(((S)-2-pyrrolidinyl)methoxy)pyridine dihydrochloride

Structure:



Amount:

CAS number(s): 161417-03-4 (parent), 161416-61-1 (HCl (1:2))

Molecular Formula: C₁₁H₁₆N₂O·2HCl **Molecular Weight:** 265.18

Batch Molecular Formula: C₁₁H₁₆N₂O·2HCl **Batch Molecular Weight:** 265.18

Appearance: White solid **Observed mp:** 220 °C (decomp)

TLC (R_f): 0.35 DCM/MeOH/NH₃ (1:1:0.1)

Chemical Purity: 99.1%

Optical Purity (ee): 100%

Optical Rotation (Det.): [α]_D = +29.4° with c = 1 in MeOH

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 49.82, H 6.84, N 10.56; Found: C 49.58, H 6.73, N 10.48

Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	26.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	26.5	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

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