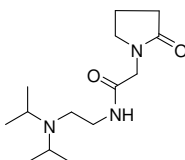




Certificate of Analysis

Axon Catalogue ID: 4203 **Batch Number:** 1
Product Name: Pramiracetam
Alternative Name(s): CI879
IUPAC Name: N-(2-(Diisopropylamino)ethyl)-2-(2-oxopyrrolidin-1-yl)acetamide

Structure:



Amount:

CAS number(s): 68497-62-1
Molecular Formula: C₁₄H₂₇N₃O₂ **Molecular Weight:** 269.38
Batch Molecular Formula: C₁₄H₂₇N₃O₂·1.25H₂O **Batch Molecular Weight:** 291.90
Appearance: White solid **Observed mp:** 50 °C
TLC (R_f): 0.24 DCM/MeOH/TEA (4:1:0.1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.60, H 10.19, N 14.40; Found: C 57.44, H 10.23, N 14.23
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	29.2	>100 mM	Not Tested
	0.1N NaOH (aq)			
	0.1N HCl (aq)	29.2	>100 mM	
	DMSO	29.2	>100 mM	
	EtOH	29.2	>100 mM	

Remarks:

QC Date: 18-6-2024

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