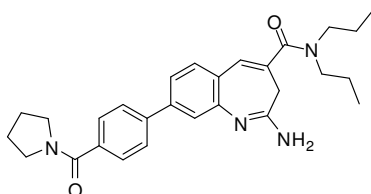




Certificate of Analysis

Axon Catalogue ID: 2783 **Batch Number:** 1
Product Name: Motolimod
Alternative Name(s): VTX-2337; VTX-378
IUPAC Name: (1E,4E)-2-Amino-N,N-dipropyl-8-(4-(pyrrolidine-1-carbonyl)phenyl)-3H-benzo[b]azepine-4-carboxamide

Structure:



Amount:

CAS number(s): 926927-61-9
Molecular Formula: C₂₈H₃₄N₄O₂ **Molecular Weight:** 458.60
Batch Molecular Formula: C₂₈H₃₄N₄O₂·0.5H₂O **Batch Molecular Weight:** 467.60
Appearance: Off-white solid **Observed mp:** >185 °C (decomp)
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.92, H 7.54, N 11.98; Found: C 71.78, H 7.63, N 11.98
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	36.0	77.0	
	DMSO	46.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 22-08-2018

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