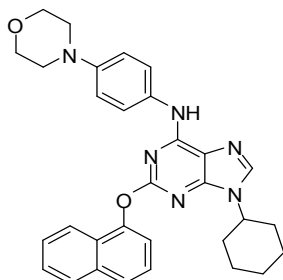


Certificate of Analysis

Axon Catalogue ID: 1690 **Batch Number:** 1
Product Name: Purmorphamine
Alternative Name(s): N.A.
IUPAC Name: 9-Cyclohexyl-N-(4-morpholinophenyl)-2-(naphthalen-1-yloxy)-9H-purin-6-amine

Structure:



Amount:

CAS number: 483367-10-8
Batch Molecular Formula: C₃₁H₃₂N₆O₂ **Batch MW:** 520.62
Appearance: Off-white solid **Observed mp:** 225 - 227 °C
TLC (R_f): 0.4 DCM/MeOH (20:1)
Chemical Purity: 99.1%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.52 , H 6.19 , N 16.13 Found: C 71.26 , H 6.19 , N 16.38
Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	52.1	>100 mM	Soluble
	EtOH			Not Tested

Remarks:

QC Date: 11-11-2013

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