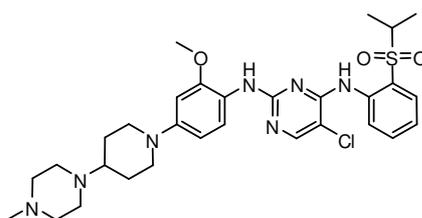




Certificate of Analysis

Axon Catalogue ID: 1416 **Batch Number:** 4
Product Name: NVP-TAE 684
Alternative Name(s): TAE 684
IUPAC Name: 5-Chloro-N4-(2-(isopropylsulfonyl)phenyl)-N2-(2-methoxy-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)phenyl)pyrimidine-2,4-diamine

Structure:



Amount:

CAS number(s): 761439-42-3
Molecular Formula: C₃₀H₄₀CIN₇O₃S **Molecular Weight:** 614.20
Batch Molecular Formula: C₃₀H₄₀CIN₇O₃S **Batch Molecular Weight:** 614.20
Appearance: Light-yellow solid **Observed mp:** 170 - 173 °C
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.66, H 6.56, N 15.96; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	3.1	5.0	Poorly Soluble
	DMSO	20.0	32.6	
	EtOH	9.8	16.0	

Remarks:

QC Date: 17-01-2012

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