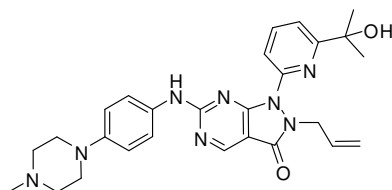




Certificate of Analysis

Axon Catalogue ID: 1494 **Batch Number:** 2
Product Name: MK 1775
Alternative Name(s): N.A.
IUPAC Name: 2-Allyl-1-[6-(1-hydroxy-1-methyl-ethyl)-pyridin-2-yl]-6-[4-(4-methyl-piperazin-1-yl)-phenylamino]-1,2-dihydro-pyrazolo[3,4-d]pyrimidin-3-one

Structure:



Amount:

CAS number: 955365-80-7 **MW:** 500.61

Batch Molecular Formula: C₂₇H₃₂N₈O₂·1H₂O **Batch MW:** 518.62

Appearance: Yellow solid **Observed mp:** 183 °C

TLC (R_f): 0.58 DCM/Methanol (4:1)

Chemical Purity: 98.3%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

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)	21.0	40.5	
	DMSO	50.1	>100 mM	
	EtOH			Not Tested

Remarks: Microanalysis: Calcd. C 62.53, H 6.61, N 21.61. Found: C 62.50, H 6.46, N 21.72.

QC Date: 17-04-2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only