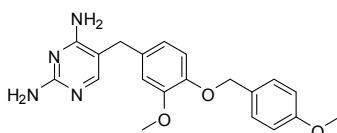




Certificate of Analysis

Axon Catalogue ID: 2571 **Batch Number:** 1
Product Name: GW 2580
Alternative Name(s): N.A.
IUPAC Name: 5-(3-Methoxy-4-(4-methoxybenzyloxy)benzyl)pyrimidine-2,4-diamine

Structure:



Amount:

CAS number(s): 870483-87-7
Molecular Formula: C₂₀H₂₂N₄O₃ **Molecular Weight:** 366.41
Batch Molecular Formula: C₂₀H₂₂N₄O₃ **Batch Molecular Weight:** 366.41
Appearance: White solid **Observed mp:** 211.9 - 213.2 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.56, H 6.05, N 15.29; Found: C 65.34, H 6.00, N 15.21
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	15.2	41.5	
	EtOH			Not Tested

Remarks:

QC Date: 09-05-2016

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