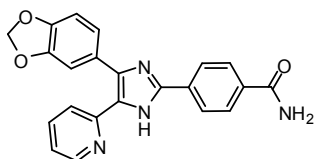


Certificate of Analysis

Axon Catalogue ID: 1661 **Batch Number:** 5
Product Name: SB 431542
Alternative Name(s): N.A.
IUPAC Name: 4-(4-(benzo[d][1,3]dioxol-5-yl)-5-(pyridin-2-yl)-1H-imidazol-2-yl)benzamide

Structure:



Amount:

CAS number: 301836-41-9
Batch Molecular Formula: C₂₂H₁₆N₄O₃ · 1.75H₂O **Batch MW:** 415.91
Appearance: White solid **Observed mp:** 152 - 154 °C
TLC (R_f): 0.35 DCM/MeOH (9:1)
Chemical Purity: 100.0%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.53 , H 4.73 , N 13.47 Found: C 63.38 , H 4.49 , N 13.41
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)			Not Tested
	DMSO	38.4	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 6-5-2014

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