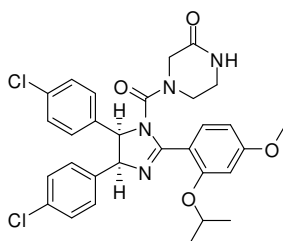




Certificate of Analysis

Axon Catalogue ID: 1880 **Batch Number:** 4
Product Name: Nutlin 3a
Alternative Name(s): (-)-Nutlin-3
IUPAC Name: 4-[(4S,5R)-4,5-Bis-(4-chloro-phenyl)-2-(2-isopropoxy-4-methoxy-phenyl)-4,5-dihydroimidazole-1-carbonyl]-piperazin-2-one

Structure:



Amount:

CAS number: 675576-98-4
Batch Molecular Formula: C₃₀H₃₀Cl₂N₄O₄ · 0.125H₂O **Batch MW:** 583.74
Appearance: White solid **Observed mp:** 139 - 141 °C
TLC (R_f): 0.65 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): 99.4%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.73 , H 5.22 , N 9.60 Found: C 61.38 , H 4.82 , N 9.83

Storage Conditions: Store 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)			Not Tested
	DMSO	58.4	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 06-02-2015

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