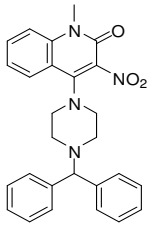
Certificate of Analysis

Axon Catalogue ID:	4109	**Batch Number:**	1
Product Name:	BMS-684		
Alternative Name(s):	N.A.		
IUPAC Name:	4-(4-Benzhydrylpiperazin-1-yl)-1-methyl-3-nitroquinolin-2(1H)-one		
Structure:		**Amount:**	
CAS number(s):	313552-29-3		
Molecular Formula:	C27H26N4O3	**Molecular Weight:**	454.52
Batch Molecular Formula:	C27H26N4O3	**Batch Molecular Weight:**	454.52
Appearance:	Yellow solid	**Observed mp:**	222.1 - 225.8 °C
TLC (R_f):	0.4 Hex/EtOAc (1:1)		
Chemical Purity:	99.9%		
1H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 71.35, H 5.77, N 12.33; Found: C 71.17, H 5.76, N 12.41		
Storage Conditions:	Store at -20 °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	6.0	13.2	
EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 15-7-2024

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

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