



Certificate of Analysis

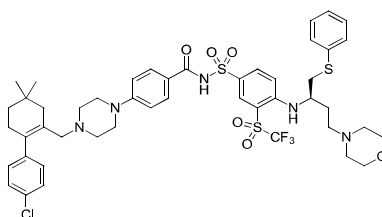
Axon Catalogue ID: 3821 **Batch Number:** 1

Product Name: ABT-263

Alternative Name(s): Navitoclax

IUPAC Name: (R)-4-(4-((2-(4-Chlorophenyl)-5,5-dimethylcyclohex-1-enyl)methyl)piperazin-1-yl)-N-(4-(4-morpholino-1-(phenylthio)butan-2-ylamino)-3-(trifluoromethylsulfonyl)phenylsulfonyl)benzamide

Structure:



Amount:

CAS number(s): 923564-51-6

Molecular Formula: C₄₇H₅₅ClF₃N₅O₆S₃ **Molecular Weight:** 974.62

Batch Molecular Formula: C₄₇H₅₅ClF₃N₅O₆S₃.H₂O **Batch Molecular Weight:** 992.63

Appearance: White solid **Observed mp:** 114 - 116 °C

TLC (R_f): 0.4 DCM/MeOH (20:1)

Chemical Purity: 99.4%

Optical Purity (ee): Optically pure

Optical Rotation (Det.): [α]_D = -72.6° with c = 0.38 in DCM

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 56.87, H 5.79, N 7.06; Found: C 56.60, H 5.73, N 7.01

Storage Conditions: Store at -20 °C

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	80.0	80.6	
EtOH	3.0	3.0	Insoluble

Remarks:

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