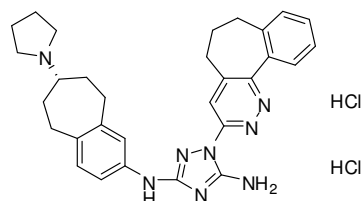




Certificate of Analysis

Axon Catalogue ID: 1946 **Batch Number:** 3
Product Name: R 428 dihydrochloride
Alternative Name(s): BGB324
IUPAC Name: 1-(6,7-Dihydro-5H-benzo[6,7]cyclohepta[1,2-c]pyridazin-3-yl)-N3-[(7S)-6,7,8,9-tetrahydro-7-(1-pyrrolidiny)-5H-benzocyclohepten-2-yl]-1H-1,2,4-Triazole-3,5-diamine dihydrochloride

Structure:



Amount:

CAS number(s): 1037624-75-1 (parent), 2108833-51-6 (HCl-salt (1:2))
Molecular Formula: C₃₀H₃₄N₈.2HCl **Molecular Weight:** 579.57
Batch Molecular Formula: C₃₀H₃₄N₈.2HCl.1H₂O **Batch Molecular Weight:** 597.58
Appearance: Off-white solid **Observed mp:** 205°C (decomp)
TLC (R_f): 0.7 DCM/MeOH/NH₃ (4:1:0.2)
Chemical Purity: 99.3%
Optical Purity (ee): 100%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.30, H 6.41, N 18.75; Found: C 60.06, H 6.25, N 18.92
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	59.8	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	59.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 10-09-2018

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