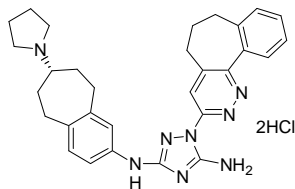




Certificate of Analysis

Axon Catalogue ID: 1946 **Batch Number:** 1
Product Name: R 428 dihydrochloride
Alternative Name(s): N.A.
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-pyrrolidinyl)-5H-benzocyclohepten-2-yl]-1H-1,2,4-Triazole-3,5-diamine dihydrochloride

Structure:



Amount: 5 mg

CAS number: 1037624-75-1 (parent) **MW:** 579.57

Batch Molecular Formula: C₃₀H₃₄N₈.2HCl **Batch MW:** 579.57

Appearance: Off-white solid

TLC (R_f): 0.69 DCM/MeOH/NH₃ (4:1:0.2)

Chemical Purity: 99.9%

Optical Purity (ee): 100% (as determined by Chiral HPLC)

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0	0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	13	22	Soluble
	EtOH			Not Tested

Remarks: Microanalysis: Calcd. C 62.17, H 6.26, N 19.33; Found: C 62.45, H 6.48, N 19.53.

QC Date: 2/18/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only