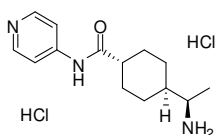




Certificate of Analysis

Axon Catalogue ID: 1683 **Batch Number:** 10
Product Name: Y 27632 dihydrochloride
Alternative Name(s): N.A.
IUPAC Name: Trans-4-((R)-1-aminoethyl)-N-(pyridin-4-yl)cyclohexanecarboxamide dihydrochloride

Structure:



Amount:

CAS number(s): 146986-50-7 (parent), 129830-38-2 (HCl (1:2))
Molecular Formula: C₁₄H₂₁N₃O₂·2HCl **Molecular Weight:** 320.26
Batch Molecular Formula: C₁₄H₂₁N₃O₂·2HCl·0.75H₂O **Batch Molecular Weight:** 333.77
Appearance: White solid **Observed mp:** >260 °C (decomp)
TLC (R_f): 0.57 DCM/MeH/NH₃ (4:1:0.1)
Chemical Purity: 98.4%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +4.9° with c = 0.527 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 50.38, H 7.40, N 12.59; Found: C 50.44, H 7.18, N 12.52
Storage Conditions: Desiccate at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	33.4	>100 mM	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	15.0	44.9	
EtOH			Not Tested

Remarks:

QC Date: 21-4-2021

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