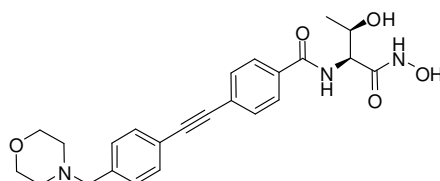




Certificate of Analysis

Axon Catalogue ID: 2000 **Batch Number:** 1
Product Name: CHIR 090
Alternative Name(s): N.A.
IUPAC Name: N-((2S,3R)-3-hydroxy-1-(hydroxyamino)-1-oxobutan-2-yl)-4-((4-(morpholinomethyl)phenyl)ethynyl)benzamide

Structure:



Amount:

CAS number(s): 728865-23-4
Molecular Formula: C₂₄H₂₇N₃O₅ **Molecular Weight:** 437.49
Batch Molecular Formula: C₂₄H₂₇N₃O₅ **Batch Molecular Weight:** 437.49
Appearance: White solid **Observed mp:** 193.0 - 194.5 °C
TLC (R_f): 0.32 (t) DCM/MeOH (9:1)
Chemical Purity: 98.3%
Optical Purity (ee): o.p.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.89, H 6.22, N 9.60; Found: C 65.73, H 6.21, N 9.52
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | | | Not Tested |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | 34.0 | 77.7 | Soluble |
| | DMSO | 43.7 | >100 mM | Soluble |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 12-07-2018

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