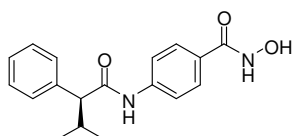




Certificate of Analysis

Axon Catalogue ID: 2394 **Batch Number:** 2
Product Name: AR-42
Alternative Name(s): N.A.
IUPAC Name: (S)-N-Hydroxy-4-(3-methyl-2-phenylbutanamido)benzamide

Structure:



Amount:

CAS number(s): 935881-37-1
Molecular Formula: C₁₈H₂₀N₂O₃ **Molecular Weight:** 312.36
Batch Molecular Formula: C₁₈H₂₀N₂O₃ **Batch Molecular Weight:** 312.36
Appearance: White solid **Observed mp:** 200 - 202 °C
TLC (R_f): 0.5 EtOAc
Chemical Purity: 99.1%
Optical Purity (ee): 100%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.21, H 6.45, N 8.96; Found: C 68.91, H 6.31, N 8.88
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	30.0	96.0	
	EtOH			Not Tested

Remarks:

QC Date: 27-02-2018

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