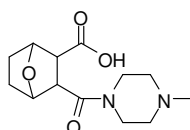




Certificate of Analysis

Axon Catalogue ID: 2820 **Batch Number:** 1
Product Name: LB-100
Alternative Name(s): LB-1
IUPAC Name: 3-(4-Methylpiperazine-1-carbonyl)-7-oxabicyclo[2.2.1]heptane-2-carboxylic acid

Structure:



Amount:

CAS number(s): 1632032-53-1
Molecular Formula: C₁₃H₂₀N₂O₄ **Molecular Weight:** 268.31
Batch Molecular Formula: C₁₃H₂₀N₂O₄·0.3H₂O **Batch Molecular Weight:** 273.71
Appearance: White solid **Observed mp:** 235 °C (decomp)
TLC (R_f): 0.21 H₂O (100%)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.04, H 7.59, N 10.23; Found: C 57.44, H 7.61, N 9.86
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	27.4	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	1.9	6.9	Warming (40 °C) enhances solubility
	EtOH			Not Tested

Remarks:

QC Date: 25-06-2020

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