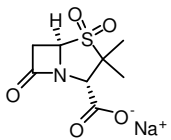




Certificate of Analysis

Axon Catalogue ID:	2041	Batch Number:	1
Product Name:	Sulbactam sodium		
Alternative Name(s):	CP 45899 sodium		
IUPAC Name:	(2S,5R)-4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-, 4,4-dioxide sodium salt		
Structure:		Amount:	
CAS number(s):	68373-14-8 (parent), 69388-84-7 (Na salt)		
Molecular Formula:	C ₈ H ₁₀ NO ₅ .Na	Molecular Weight:	255.22
Batch Molecular Formula:	C ₈ H ₁₀ NO ₅ .Na	Batch Molecular Weight:	255.22
Appearance:	White solid	Observed mp:	267 - 270 °C (decomp)
TLC (R_f):	0.05	DCM/MeOH (4:1)	
Chemical Purity:	>98%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 37.65, H 3.95, N 5.49; Found: C 37.47, H 3.69, N 5.24		
Storage Conditions:	Desiccate at -20°C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM) Remarks
	Water	25.5	>100 mM
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	9.6	37.6
	EtOH		Not Tested
Remarks:			
QC Date:	30-09-2020		

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