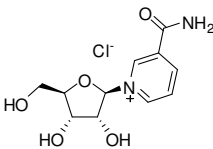




Certificate of Analysis

Axon Catalogue ID:	3572	Batch Number:	1	
Product Name:	Nicotinamide riboside chloride			
Alternative Name(s):	β -Nicotinamide riboside; NR			
IUPAC Name:	3-Carbamoyl-1-((2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyridinium chloride			
Structure:		Amount:		
CAS number(s):	1341-23-7 (parent), 23111-00-4 (chloride (1:1))			
Molecular Formula:	C ₁₁ H ₁₅ CIN ₂ O ₅	Molecular Weight:	290.70	
Batch Molecular Formula:	C ₁₁ H ₁₅ CIN ₂ O ₅	Batch Molecular Weight:	290.70	
Appearance:	White solid	Observed mp:	>130 °C (decomp)	
TLC (R_f):	0.03	DCM/MeOH (4:1)		
Chemical Purity:	>98%			
Optical Purity (ee):	Optically pure			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 45.45, H 5.20, N 9.64; Found: C 45.20, H 5.10, N 9.26			
Storage Conditions:	Desiccate at -20 °C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	29.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.2	83.3	
	EtOH	0.0	0.0	Insoluble
Remarks:	Purity based on NMR.			
QC Date:	24-1-2022			

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