

Nicotinamide riboside chloride Biochemical

Nicotinamide riboside chloride

CATALOG #
AAA210706

PRODUCT SYNONYMS

Nicotinamide riboside chloride; Nicotinamide riboside chloride biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98%
Solubility	DMSO
Formula	C ₁₁ H ₁₅ CIN ₂ O ₅
SMILES	NC (C1=C[N+] ([C@H]2[C@@H] ([C@@H] ([C@H] (O2)CO)O)O)=CC=C1)=O.[Cl-]
CAS Number	23111-00-4
In vitro	DMSO: 53 mg/mL (182.31 mM) Water: 53 mg/mL (182.31 mM) Ethanol: Insoluble * <1 mg/ml means slightly soluble or insoluble. * Please note that MBS tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
Preparation and Storage	Store at -20°C for 1 year (powder form); at -20°C for 6 months (Solution base) Store lyophilized at -20°C, keep desiccated. In lyophilized form, the chemical is stable for 12 months. In solution, store at -20°C and use within 3 months to prevent loss of potency. Aliquot to avoid multiple freeze/thaw cycles.

IMAGES

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
0.1 mM	10.4 mL	122 mL	244 mL
0.2 mM	5.09 mL	54.9 mL	102 mL
1 mM	0.48 mL	11.2 mL	14.8 mL
5 mM	0.07 mL	1.41 mL	0.93 mL

Application Data
Preparing Stock Solutions

ADDITIONAL INFORMATION

Related Product Information for
Nicotinamide riboside chloride
biochemical

Nicotinamide riboside chloride is a crystal form of Nicotinamide riboside (NR) chloride. Nicotinamide riboside chloride is used in dietary supplements.

NCBI AND UNIPROT INFORMATION

Molecular Weight 290.7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/nicotinamide-riboside-chloride/210706>