

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	0.44 mL	0.22 mL	0.44 mL
5 mM	0.07 mL	0.44 mL	0.09 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
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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://www.aaabiotech.com/biochemical/nicotinamide-riboside-chloride/210706>