

## Nicotinic acid riboside

## Chemical Properties

CAS No. :	17720-18-2
Formula:	C <sub>11</sub> H <sub>13</sub> N <sub>0</sub> O <sub>6</sub>
Molecular Weight:	255.224
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Nicotinic acid riboside is a natural product and a precursor of NAD <sup>+</sup> , maintaining NAD <sup>+</sup> homeostasis, regulating Nrf-2/P62-related oxidative stress and autophagy, reducing MDA, LDH, and ROS levels, and promoting cardiac SOD and glutathione (GSH) activity.
Targets(IC50)	Nrf2,Endogenous Metabolite,Dehydrogenase,ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9182 mL	19.5909 mL	39.1819 mL
5 mM	0.7836 mL	3.9182 mL	7.8364 mL
10 mM	0.3918 mL	1.9591 mL	3.9182 mL
50 mM	0.0784 mL	0.3918 mL	0.7836 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Kropotov A,et,al. Equilibrative Nucleoside Transporters Mediate the Import of Nicotinamide Riboside and Nicotinic Acid Riboside into Human Cells. Int J Mol Sci. 2021 Jan 30;22(3):1391.

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