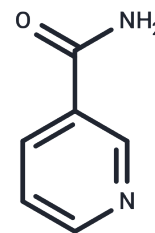


Nicotinamide Hydrochloride

Chemical Properties

CAS No. :	25334-23-0
Formula:	C ₆ H ₇ ClN ₂ O
Molecular Weight:	158.59
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	Nicotinamide Hydrochloride, a form of vitamin B3 (niacin), inhibits sirtuin 2 (SIRT2) activity in vitro with an EC50 of 2 μM, reducing melanoma cell number by up to 90% and increasing cellular NAD ⁺ , ATP, and ROS levels. It also inhibits tumor growth in vivo and improves survival in melanoma-bearing mice, making it useful for skin cancer research, including melanoma.
Targets(IC50)	Others,Endogenous Metabolite,HBV,Sirtuin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3056 mL	31.5278 mL	63.0557 mL
5 mM	1.2611 mL	6.3056 mL	12.6111 mL
10 mM	0.6306 mL	3.1528 mL	6.3056 mL
50 mM	0.1261 mL	0.6306 mL	1.2611 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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