

Datasheet for ABIN7233271

Nicotinamide[Go to Product page](#)

1 Image

Overview

Quantity:	1 g
Application:	Inhibition (Inh)

Product Details

Purpose:	SIRT1 inhibitor, essential nutrient
Characteristics:	Essential nutrient (amide form of Vitamin B3) that is incorporated into cofactors NADH/NAD ⁺ , important for ATP production and other key metabolic functions. Transiently inhibits SIRT1/SIRT3 through feedback inhibition (IC ₅₀ ~ 50 µM), but is quickly converted to NAD ⁺ in cells. Also inhibits certain kinases (e.g. ROCK and CK1), making it a regulator of hPSC pluripotency, survival, and differentiation. Inhibits differentiation and enhances functionality of hematopoietic stem/progenitor cells (HSPCs).
Purity:	>99 %
Chemical Name:	Pyridine-3-carboxylic acid amide
Formula:	C ₆ H ₆ N ₂ O
Solubility:	Soluble in DMSO (up to 50 mg/ml) or in Water (up to 50 mg/ml)

Target Details

Background:	Nicotinic acid amide, Niacinamide, Vitamin B3, NAM, Epigenetics, DNA damage, Protein deacetylase, Kinase, Stem cells, Cancer, NAD, NADP pathways, Posttranslational modification
Molecular Weight:	122.1
CAS-No:	98-92-0

Application Details

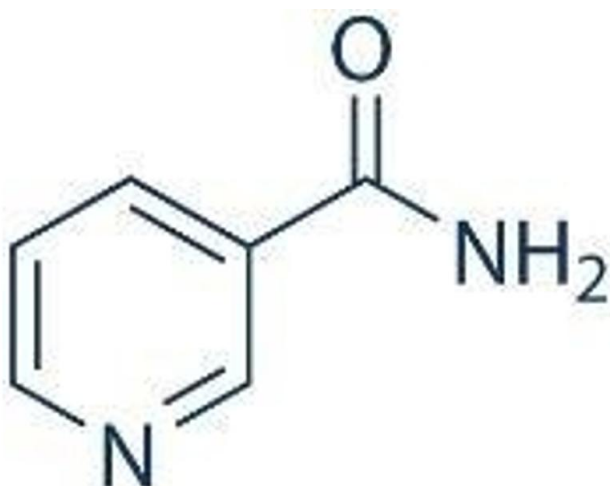
Restrictions: For Research Use only

Handling

Format: Powder

Storage: RT

Images



Molecule

Image 1. /