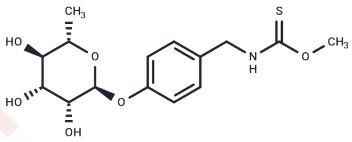
Data Sheet (Cat.No.TN4653)

TargetMol

Niazinin

Chemical Properties



CAS No. : 147821-57-6

Formula: C15H21NO6S

Molecular Weight: 343.4

Storage: Keep away from direct sunlight
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	Niazinin is a natural glycoside exhibiting anti-Leishmania activity (IC50=5.25 μM) and demonstrates binding activity toward SARS-CoV-2 3CL.
Targets(IC50)	Parasite,SARS-CoV
In vitro	Niazinin is the monomer with the strongest anti-leishmanial activity, exhibiting an IC50 value of 5.25 μM [1].

Solubility Information

Solubility	DMSO: ≥ 40 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9121 mL	14.5603 mL	29.1206 mL
5 mM	0.5824 mL	2.9121 mL	5.8241 mL
10 mM	0.2912 mL	1.456 mL	2.9121 mL
50 mM	0.0582 mL	0.2912 mL	0.5824 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

Amandeep Kaur, et al. Antileishmanial compounds from Moringa oleifera Lam. Z Naturforsch C J Biosci. Mar-Apr 2014;69(3-4):110-6.

Shiv Rakesh Naik, et al. Structure-based virtual screening, molecular dynamics and binding affinity calculations of some potential phytocompounds against SARS-CoV-2. J Biomol Struct Dyn. 2021 Mar 8;1-18.

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