Data Sheet (Cat.No.T9190)



NAG-thiazoline

Chemical Properties

CAS No.: 179030-22-9

Formula: C8H13NO4S

Molecular Weight: 219.26

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	NAG-thiazoline (GlcNAc-thiazoline) is an O-GlcNAcase inhibitor with Ki value of 180 nM. It is active against V. campbellii with MIC value of 0.5 μ M.
Targets(IC50)	Others
In vitro	NGT completely inhibited the growth of V. campbellii strain 650 with an minimal inhibitory concentration value of 0.5 μ m[1].

Solubility Information

Solubility DMSO: 55 mg/ml (250.84 mM)

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5608 mL	22.804 mL	45.608 mL
5 mM	0.9122 mL	4.5608 mL	9.1216 mL
10 mM	0.4561 mL	2.2804 mL	4.5608 mL
50 mM	0.0912 mL	0.4561 mL	0.9122 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.

Reference

NAG-thiazoline is a potent inhibitor of the Vibriocampbellii GH20 β -N-Acetylglucosaminidase[J]. FEBS Journal, 2020.

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