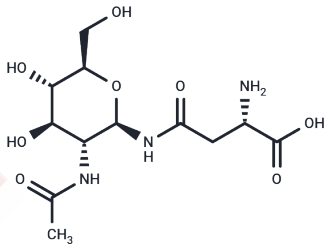
Data Sheet (Cat.No.T75695)

TargetMol

H-Asn(glcnac-beta-D)-OH

Chemical Properties



CAS No. : 2776-93-4

Formula: C12H21N3O8

Molecular Weight: 335.31

Storage: Store at low temperature
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	H-Asn(glcnac-beta-D)-OH can be isolated from egg protein and animal tissues and can be hydrolyzed by glycosylasparaginase.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H2O: 100 mg/mL (298.23 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9823 mL	14.9116 mL	29.8231 mL
5 mM	0.5965 mL	2.9823 mL	5.9646 mL
10 mM	0.2982 mL	1.4912 mL	2.9823 mL
50 mM	0.0596 mL	0.2982 mL	0.5965 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

Haijes HA, et al. Aspartylglycosamine is a biomarker for NGLY1-CDDG, a congenital disorder of deglycosylation. Mol Genet Metab. 2019 Aug;127(4):368-372.
Lee N,et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.

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