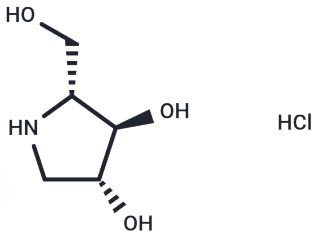
Data Sheet (Cat.No.T84381)

TargetMol

1,4-Dideoxy-1,4-Imino-D-Arabinitol Hydrochloride

Chemical Properties



CAS No. : 100991-92-2

Formula: C5H12ClNO3

Molecular Weight: 169.61

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	1,4-Dideoxy-1,4-Imino-D-Arabinitol Hydrochloride is a naturally occurring, polyhydroxylated pyrrolidine alkaloid that has been isolated and characterized from various plant species, including Arachniodes standishii and Angylocalyx boutiqueanus, 1,4-Dideoxy-1,4-Imino-D-Arabinitol Hydrochloride functions as a potent inhibitor of certain glycosidase enzymes due to its structural mimicry of monosaccharide substrates.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8959 mL	29.4794 mL	58.9588 mL
5 mM	1.1792 mL	5.8959 mL	11.7918 mL
10 mM	0.5896 mL	2.9479 mL	5.8959 mL
50 mM	0.1179 mL	0.5896 mL	1.1792 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

Song D, et al. Regulatory volume increase in astrocytes exposed to hypertonic medium requires β1 -adrenergic Na (+) /K(+) -ATPase stimulation and glycogenolysis. J Neurosci Res. 2015 Jan;93(1):130-9.

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