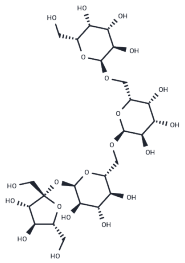
Data Sheet (Cat.No.T65444)

TargetMol

Stachyose

Chemical Properties



CAS No. : 470-55-3

Formula: C24H42O21

Molecular Weight: 666.58

Storage: Store at low temperature
Store at -80°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Stachyose is an oligosaccharide that inhibits the proliferation of vancomycin-resistant enterococci.Stachyose regulates the intestinal microbiota and attenuates dextran sulfate sodium-induced acute colitis in mice.
Targets(IC50)	Endogenous Metabolite,Antibacterial

Solubility Information

Solubility	H2O: 252.5 mg/mL (378.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5002 mL	7.501 mL	15.002 mL
5 mM	0.300 mL	1.5002 mL	3.0004 mL
10 mM	0.150 mL	0.7501 mL	1.5002 mL
50 mM	0.030 mL	0.150 mL	0.300 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

Cai-Na Li, et al. Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut microbiota and fecal metabolomics in diabetic mice. Phytother Res. 2020 May;34(5):1166-1174.

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