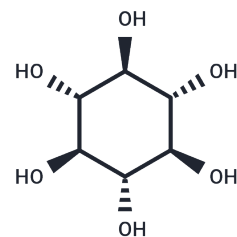


Scyllo-Inositol

Chemical Properties

CAS No. :	488-59-5
Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.16
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Scyllo-Inositol (Scyllitol) is one of the inositol stereoisomers, rare in the nature, and expected as a promising disease-modifying therapeutic agent for Alzheimer's disease.
Targets(IC50)	Beta Amyloid,Endogenous Metabolite
In vitro	scyllo-inositol,an established amyloid inhibitor, was examined for potential inhibitory effects on α -synuclein aggregation. TEM analysis of protein:inhibitor assays demonstrated that scyllo-inositol inhibits the aggregation of α -synuclein, suggesting the therapeutic potential of the small molecule in PD[1].

Solubility Information

Solubility	H ₂ O: 2.5 mM,Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5506 mL	27.7531 mL	55.5062 mL
5 mM	1.1101 mL	5.5506 mL	11.1012 mL
10 mM	0.5551 mL	2.7753 mL	5.5506 mL
50 mM	0.111 mL	0.5551 mL	1.1101 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

Ibrahim T , Mclaurin J A . α -Synuclein aggregation, seeding and inhibition by scyllo-inositol[J]. Biochemical & Biophysical Research Communications, 2015:S0006291X15310482.

Yoshida KI, Ishikawa S.Production of scyllo-Inositol: Conversion of Rice Bran into a Promising Disease-Modifying Therapeutic Agent for Alzheimer's Disease.J Nutr Sci Vitaminol (Tokyo). 2019;65(Supplement):S139-S142.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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