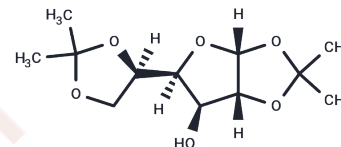


Diacetoneglucose

Chemical Properties

CAS No. :	582-52-5
Formula:	C ₁₂ H ₂₀ O ₆
Molecular Weight:	260.28
Storage:	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	Diacetoneglucose, an Important glucose protective derivative, is used in the determination of blood glucose.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.842 mL	19.2101 mL	38.4202 mL
5 mM	0.7684 mL	3.842 mL	7.684 mL
10 mM	0.3842 mL	1.921 mL	3.842 mL
50 mM	0.0768 mL	0.3842 mL	0.7684 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

Armand V, Louvel J, Pumain R, Ronco G, Villa P. Effects of various valproic acid derivatives on low-calcium spontaneous epileptiform activity in hippocampal slices. *Epilepsy Res.* 1995 Nov;22(3):185-92. PubMed PMID: 8991785.

Lichtenthaler FW, Kläres U, Szurmai Z, Werner B. 4,6-di-O-benzoyl-3-O-benzyl-alpha-D-arabino-hexo-pyranos-2-ulosyl bromide: a conveniently accessible glycosyl donor for the expedient construction of diantennary beta-D-mannosides branched at O-3 and O-6. *Carbohydr Res.* 1997 Dec;305(2):293-303. PubMed PMID: 9581282.

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