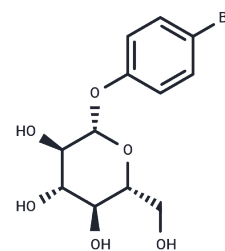


β -pBrPh-Glc

Chemical Properties

CAS No. :	30572-42-0
Formula:	C ₁₂ H ₁₅ BrO ₆
Molecular Weight:	335.15
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	β -pBrPh-Glc (β pBrPhGlc) is an inhibitor of ice recrystallization, controlling the growth of extracellular ice and inhibiting the recrystallization of intracellular ice. β -pBrPh-Glc may be used as a cryopreservative, possibly with antioxidant activity.
Targets(IC50)	Others,Antioxidant

Solubility Information

Solubility	DMSO: 22.5 mg/mL (67.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.97 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9837 mL	14.9187 mL	29.8374 mL
5 mM	0.5967 mL	2.9837 mL	5.9675 mL
10 mM	0.2984 mL	1.4919 mL	2.9837 mL
50 mM	0.0597 mL	0.2984 mL	0.5967 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

Capicciotti CJ, et al. Small molecule ice recrystallization inhibitors enable freezing of human red blood cells with reduced glycerol concentrations. Sci Rep. 2015 ; 5:9692.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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