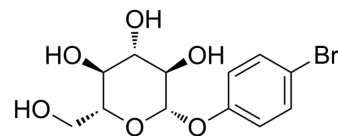


β-pBrPh-Glc

Cat. No.:	HY-124020		
CAS No.:	30572-42-0		
Molecular Formula:	C ₁₂ H ₁₅ BrO ₆		
Molecular Weight:	335.15		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (298.37 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.46 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.46 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.46 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	β-pBrPh-Glc is a small-molecule ice recrystallization inhibitor. β-pBrPh-Glc can control the rate and extent of intracellular ice recrystallization in the nuclei over a broad range of subzero temperatures. β-pBrPh-Glc is an important tool to improve the recovery and function of cryopreserved cells and tissues ^[1] .
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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