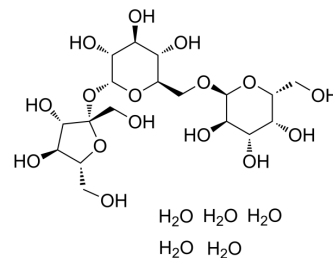


D(+)-Raffinose pentahydrate

Cat. No.:	HY-N1938		
CAS No.:	17629-30-0		
Molecular Formula:	C ₁₈ H ₄₂ O ₂₁		
Molecular Weight:	594.51		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 (168.21 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6821 mL	8.4103 mL	16.8206 mL
	5 mM	0.3364 mL	1.6821 mL	3.3641 mL
	10 mM	0.1682 mL	0.8410 mL	1.6821 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

D(+)-Raffinose pentahydrate (D-Raffinose pentahydrate) is a trisaccharide composed of galactose, glucose, and fructose that occurs naturally in a variety of vegetables and grains. D(+)-Raffinose pentahydrate is a functional oligosaccharide.

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

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