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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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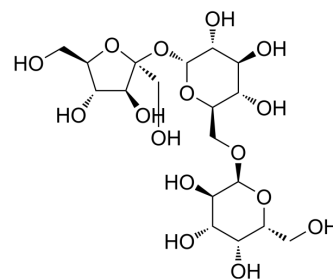
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Raffinose

Cat. No.:	HY-N7088
CAS No.:	512-69-6
Molecular Formula:	C ₁₈ H ₃₂ O ₁₆
Molecular Weight:	504.44
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (495.60 mM; Need ultrasonic) DMSO : 100 mg/mL (198.24 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.9824 mL	9.9120 mL	19.8240 mL
		5 mM	0.3965 mL	1.9824 mL	3.9648 mL
		10 mM	0.1982 mL	0.9912 mL	1.9824 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (99.12 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.96 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.96 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.96 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Raffinose (Melitose), a non-digestible short-chain oligosaccharide, is a trisaccharide composed of galactose, glucose, and fructose and can be found in many plants. Raffinose (Melitose) can be hydrolyzed to D-galactose and sucrose by the enzyme α-galactosidase (α-GAL) ^[1] .
IC ₅₀ & Target	IC50: short-chain oligosaccharide ^[1]

CUSTOMER VALIDATION

- Autophagy. 2022 Nov 30.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Raffinose

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

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