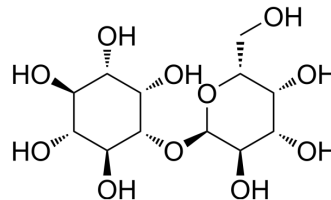


Galactinol

Cat. No.:	HY-N9497		
CAS No.:	3687-64-7		
Molecular Formula:	C ₁₂ H ₂₂ O ₁₁		
Molecular Weight:	342.3		
Target:	Biochemical Assay Reagents		
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

H₂O : 250 mg/mL (730.35 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9214 mL	14.6071 mL	29.2141 mL
	5 mM	0.5843 mL	2.9214 mL	5.8428 mL
	10 mM	0.2921 mL	1.4607 mL	2.9214 mL

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

BIOLOGICAL ACTIVITY

Description

Galactinol is a biochemical reagent. Galactinol scavenges hydroxyl radicals and protects plant cells from oxidative damage [1].

REFERENCES

[1]. Nishizawa A, et al. Galactinol and raffinose constitute a novel function to protect plants from oxidative damage. *Plant Physiol.* 2008 Jul;147(3):1251-63.

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

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