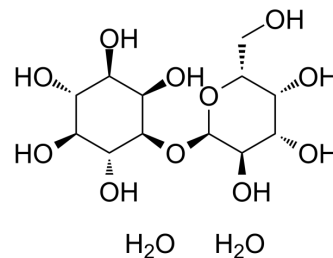


Galactinol dihydrate

Cat. No.:	HY-135258
CAS No.:	1217474-91-3
Molecular Formula:	C ₁₂ H ₂₆ O ₁₃
Molecular Weight:	378.33
Target:	Others
Pathway:	Others
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

H₂O : 125 mg/mL (330.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6432 mL	13.2160 mL	26.4320 mL
	5 mM	0.5286 mL	2.6432 mL	5.2864 mL
	10 mM	0.2643 mL	1.3216 mL	2.6432 mL

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

BIOLOGICAL ACTIVITY

Description

Galactinol dihydrate is a marker for seed longevity. Galactinol dihydrate can scavenge hydroxyl radicals and protect plant cells from oxidative damage caused by MV treatment, salinity, or chilling^[1].

REFERENCES

- [1]. Vidigal DS, et, al. Galactinol as marker for seed longevity. Plant Sci. 2016 May;246:112-118.
- [2]. 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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