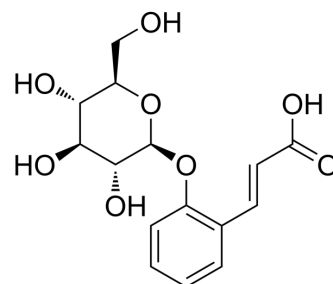


trans-Melilotoside

Cat. No.:	HY-N11173A
CAS No.:	618-67-7
Molecular Formula:	C ₁₅ H ₁₈ O ₈
Molecular Weight:	326.3
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (306.47 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0647 mL	15.3233 mL	30.6466 mL
		5 mM	0.6129 mL	3.0647 mL	6.1293 mL
		10 mM	0.3065 mL	1.5323 mL	3.0647 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 (7.66 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.66 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.66 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	trans-Melilotoside (compound 3) is a natural product that could be isolated from Mikania laevigata ^[1] .
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REFERENCES

[1]. Assunta E, et, al. Potential allelopathic interference of Melilotus neapolitana metabolites on three coexisting species of Mediterranean herbaceous plant community. Journal of Plant Interactions. 2008;3(3): 199-210.

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

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