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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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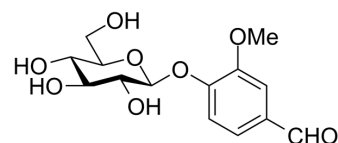
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Glucovanillin

Cat. No.:	HY-N6667
CAS No.:	494-08-6
Molecular Formula:	C ₁₄ H ₁₈ O ₈
Molecular Weight:	314.29
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 (318.18 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass		
			1 mg	5 mg	10 mg
		1 mM	3.1818 mL	15.9089 mL	31.8177 mL
		5 mM	0.6364 mL	3.1818 mL	6.3635 mL
		10 mM	0.3182 mL	1.5909 mL	3.1818 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 (7.95 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Glucovanillin extracted from <i>Vanilla planifolia</i> Andrews and simultaneously transformed to vanillin by a combination of enzyme activities involving cell wall degradation and glucovanillin hydrolysis.
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REFERENCES

[1]. Chen Y, et al. Involvement of Colonizing *Bacillus* Isolates in Glucovanillin Hydrolysis during the Curing of *Vanilla planifolia* Andrews. *Appl Environ Microbiol.* 2015 Aug;81(15):4947-54.

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

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