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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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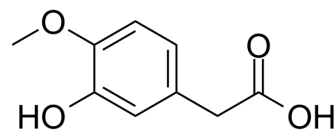
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Isohomovanillic acid

Cat. No.:	HY-W002110		
CAS No.:	1131-94-8		
Molecular Formula:	C ₉ H ₁₀ O ₄		
Molecular Weight:	182.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (548.94 mM; Need ultrasonic)
 H₂O : 6.67 mg/mL (36.61 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.4894 mL	27.4469 mL	54.8938 mL
	5 mM	1.0979 mL	5.4894 mL	10.9788 mL
	10 mM	0.5489 mL	2.7447 mL	5.4894 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Isohomovanillic acid (3-Hydroxy-4-methoxyphenylacetic acid) is extracted from urine at pH 2 by ethyl acetate. Isohomovanillic acid is not found in appreciable values in many normal human urines^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Comoy E, et al. Iso-homovanillic acid determination in human urine. Clin Chim Acta. 1971 Dec;35(2):369-75.

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

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