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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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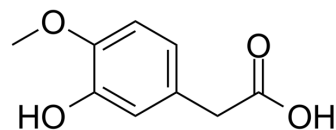
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Isohomovanillic acid

| | | | |
|--------------------|---|-------|----------|
| 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)

| 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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