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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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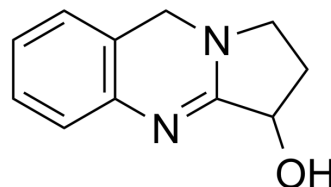
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(±)-Vasicine

| | |
|---------------------------|--|
| Cat. No.: | HY-N7031 |
| CAS No.: | 6159-56-4 |
| Molecular Formula: | C ₁₁ H ₁₂ N ₂ O |
| Molecular Weight: | 188.23 |
| Target: | Proton Pump |
| Pathway: | Membrane Transporter/Ion Channel |
| Storage: | 4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (88.56 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 5.3126 mL | 26.5632 mL | 53.1265 mL |
| | 5 mM | 1.0625 mL | 5.3126 mL | 10.6253 mL |
| | 10 mM | 0.5313 mL | 2.6563 mL | 5.3126 mL |

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

BIOLOGICAL ACTIVITY

Description

(±)-Vasicine is the racemate of Vasicine. Vasicine (Peganine) significantly inhibits H⁺-K⁺-ATPase activity in vitro with an IC₅₀ of 73.47 µg/mL. Anti-ulcer activity. Vasicine shows significant anti-secretory, antioxidant and cytoprotective effect^[1].

In Vitro

Vasicine (Peganine) exhibits strong antioxidant activity in the DPPH inhibition assay with an IC₅₀ value of 71.97±3.79 µg/mL [1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Singh VK, et al. Anti-secretory and cyto-protective effects of peganine hydrochloride isolated from the seeds of Peganum harmala on gastric ulcers. *Phytomedicine*. 2013 Oct 15;20(13):1180-5.

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

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