Hypaphorine

Cat. No.: HY-N2179

CAS No.: 487-58-1

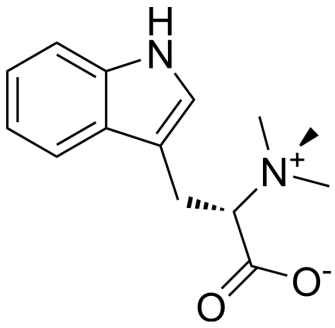
Molecular Formula: $C_{14}H_{18}N_2O_2$

Molecular Weight: 246.3

Target: Others

Pathway: Others

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

H_2O : 100 mg/mL (406.01 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	4.0601 mL	20.3004 mL	40.6009 mL
5 mM	0.8120 mL	4.0601 mL	8.1202 mL
10 mM	0.4060 mL	2.0300 mL	4.0601 mL

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 100 mg/mL (406.01 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Hypaphorine is an indole alkaloid isolated from Caragana korshinskii, and with neurological and glucose-lowering effects in rodents[1].

CUSTOMER VALIDATION

- Kaohsiung J Med Sci. 2021 Jul 11.

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REFERENCES

[1]. Ditengou FA, et al. Root hair elongation is inhibited by hypaphorine, the indole alkaloid from the ectomycorrhizal fungus Pisolithus tinctorius, and restored by indole-3-acetic acid. Planta. 2000 Oct;211(5):722-8.

[2]. Keller BO, et al. Hypaphorine is present in human milk in association with consumption of legumes. J Agric Food Chem. 2013 Aug 7;61(31):7654-60.

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