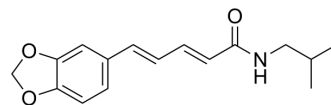


Piperlonguminine

Cat. No.:	HY-126562
CAS No.:	5950-12-9
Molecular Formula:	C ₁₆ H ₁₉ NO ₃
Molecular Weight:	273.33
Target:	Bacterial; Fungal; Antibiotic
Pathway:	Anti-infection
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)



BIOLOGICAL ACTIVITY

Description

Piperlonguminine is an alkaloid amide isolated from the Piper species. Piperlonguminine shows various biological properties, including anti-inflammatory, antitumor, neuroprotective, anti-platelet, anti-melanogenic, antifungal and antibacterial activities^{[1][2][3][4]}.

REFERENCES

- [1]. Bezerra DP, et, al. In vivo growth inhibition of sarcoma 180 by piperlonguminine, an alkaloid amide from the Piper species. J Appl Toxicol. 2008 Jul; 28(5): 599-607.
- [2]. Yang T, et, al. Piperlonguminine is neuroprotective in experimental rat stroke. Int Immunopharmacol. 2014 Dec; 23(2): 447-51.
- [3]. Marques JV, et, al. Antifungal amides from Piper scutifolium and Piper hoffmanseggianum. J Nat Prod. 2007 Dec; 70(12):2036-9.
- [4]. Chy MNU, et, al. Antibacterial, anthelmintic, and analgesic activities of Piper sylvaticum (Roxb.) leaves and in silico molecular docking and PASS prediction studies of its isolated compounds. J Complement Integr Med. 2019 Aug 22;16(4).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA