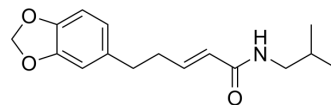


4,5-Dihydropiperlonguminine

Cat. No.:	HY-N11761
CAS No.:	23512-53-0
Molecular Formula:	C ₁₆ H ₂₁ NO ₃
Molecular Weight:	275.34
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4,5-Dihydropiperlonguminine is a natural product that can be isolated from the seeds of <i>Piper tuberculatum</i> Jacq. (Piperaceae). 4,5-Dihydropiperlonguminine is an insecticide against velvetbean caterpillars ^[1] .
In Vivo	4,5-Dihydropiperlonguminine shows 100% mortality against velvetbean caterpillar <i>Anticarsia gemmatilis</i> at dose of 700 µg/insect ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Navickiene HM, et al. Toxicity of extracts and isobutyl amides from *Piper tuberculatum*: potent compounds with potential for the control of the velvetbean caterpillar, *Anticarsia gemmatilis*. *Pest Manag Sci*. 2007 Apr;63(4):399-403.

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