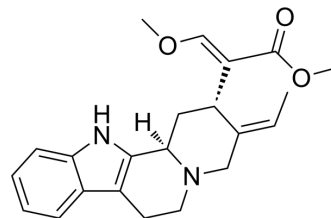


Villocarine A

Cat. No.:	HY-N11478
CAS No.:	1319743-81-1
Molecular Formula:	C ₂₂ H ₂₆ N ₂ O ₃
Molecular Weight:	366.45
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Villocarine A is a natural vasorelaxant indole alkaloid ^[1] .
In Vitro	Villocarine A exhibited excellent activity during the initial stage, within 10-30 min after injection, with potent vasorelaxant effects observed at 30 μM against PE-mediated contraction in a rat aorta. Villocarine A exhibited a moderate level of inhibition at 30 μM against PE and 1 μM-induced contraction of the aortic rings in the presence of nicardipine (1 μM) in a Ca ²⁺ -free medium ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Hiroataka Matsuo, et al. New vasorelaxant indole alkaloids, villocarines A-D from *Uncaria villosa*. *Bioorg Med Chem*. 2011 Jul 1;19(13):4075-9.
- [2]. Faisal Omar, et al. Plant-Based Indole Alkaloids: A Comprehensive Overview from a Pharmacological Perspective. *Molecules*. 2021 Apr 15;26(8):2297.

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

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