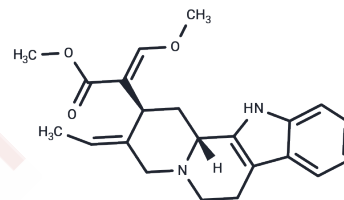


Villocarine A

Chemical Properties

CAS No. :	1319743-81-1
Formula:	C ₂₂ H ₂₆ N ₂ O ₃
Molecular Weight:	366.45
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Villocarine A, an indole alkaloid with natural vasorelaxant properties [1], is a chemical compound known for its ability to relax blood vessels.
In vitro	Villocarine A demonstrated significant efficacy shortly after administration, showing potent vasorelaxant properties at a concentration of 30 μM in counteracting PE-induced contraction in rat aortic tissue within 10-30 minutes post-injection. Additionally, at the same concentration, Villocarine A presented a moderate inhibitory effect on contractions incited by PE and 1 μM in aortic rings under the conditions of a Ca ²⁺ -free medium and in the presence of nicardipine (1 μM) [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7289 mL	13.6444 mL	27.2889 mL
5 mM	0.5458 mL	2.7289 mL	5.4578 mL
10 mM	0.2729 mL	1.3644 mL	2.7289 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481