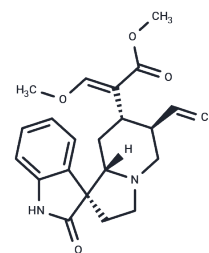


Isocorynoxine

Chemical Properties

CAS No. :	51014-29-0
Formula:	C ₂₂ H ₂₆ N ₂ O ₄
Molecular Weight:	382.45
Storage:	Store at low temperature, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. Isocorynoxine (7-Isocorynoxine) shows the effects of lowering blood pressure, vasodilatation, and protection against ischemia-induced neuronal damage. 2. Isocorynoxine exhibits a significant neuroprotective effect against glutamate-induced HT22 cell death at the maximum concentration.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 70 mg/mL (183.03 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.23 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6147 mL	13.0736 mL	26.1472 mL
5 mM	0.5229 mL	2.6147 mL	5.2294 mL
10 mM	0.2615 mL	1.3074 mL	2.6147 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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.

Reference

Qi W , Chen F , Sun J , et al. Isolation and identification of twelve metabolites of isocorynoxine in rat urine and their neuroprotective activities in HT22 cell assay.[J]. Planta Medica, 2014, 81(01):46-55.

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