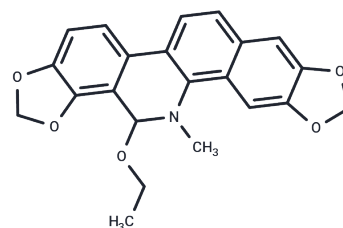


Ethoxysanguinarine

Chemical Properties

CAS No. :	28342-31-6
Formula:	C ₂₂ H ₁₉ NO ₅
Molecular Weight:	377.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ethoxysanguinarine (6-Ethoxydihydrosanguinarine) shows human blood acetylcholinesterase (HuAChE) and human plasma butyrylcholinesterase (HuBuChE) inhibitory activity, with IC ₅₀ values of 0.83 +/- 0.04 microM and 4.20 +/- 0.19 microM, respectively.
Targets(IC ₅₀)	Apoptosis,AChR

Solubility Information

Solubility	DMSO: 27.5 mg/mL (72.87 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6498 mL	13.2489 mL	26.4978 mL
5 mM	0.530 mL	2.6498 mL	5.2996 mL
10 mM	0.265 mL	1.3249 mL	2.6498 mL
50 mM	0.053 mL	0.265 mL	0.530 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.

Reference

Zhao W, Xu C, Peng L, et al. cAMP/PKA signaling promotes AKT deactivation by reducing CIP2A expression, thereby facilitating decidualization. *Molecular and Cellular Endocrinology*.2023: 111946.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481