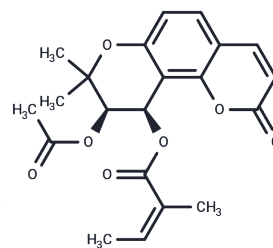


Pteryxin

Chemical Properties

CAS No. :	13161-75-6
Formula:	C ₂₁ H ₂₂ O ₇
Molecular Weight:	386.40
Storage:	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	(+)-Pteryxin ((+)-Pteryxin) has muscle-relaxant props. (+)-Pteryxin shows hepatoprotective and nitric oxide prodn. inhibitory activity.
Targets(IC50)	NF-κB, NOD-like Receptor (NLR), Nrf2, Cholinesterase (ChE), p38 MAPK, ROS

Solubility Information

Solubility	DMSO: 50.00 mg/mL (129.40 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (5.18 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	2.588 mL	12.940 mL	25.8799 mL
5 mM	0.5176 mL	2.588 mL	5.176 mL
10 mM	0.2588 mL	1.294 mL	2.588 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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

Orhan, I., Senol, F., Shekfeh, S., Skalicka-Wozniak, K., & Banoglu, E. (2017). Pteryxin - A promising butyrylcholinesterase-inhibiting coumarin derivative from *Mutellina purpurea*. *Food And Chemical Toxicology*, 109, 970-974. doi: 10.1016/j.fct.2017.03.016

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