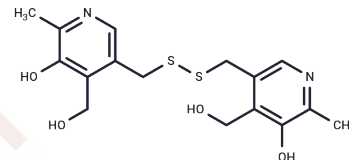


Pyrithioxin

Chemical Properties

CAS No. :	1098-97-1
Formula:	C ₁₆ H ₂₀ N ₂ O ₄ S ₂
Molecular Weight:	368.47
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	Pyrithioxin (Encefabol) is a neurodynamic compound, combined with a short period of hyperventilation (HV) was applied in cerebral infarct patients with Hemiplegia. Pyrithioxin is regarded as an encephalotropic or nootropic compound and is reported to act mainly by producing decisive improvements in cerebral metabolism.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 27.78 mg/mL (75.39 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: 2.78 mg/mL (7.54 mM),Solution. 10% DMSO+90% Saline: < 2.78 mg/mL (7.54 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.7139 mL	13.5696 mL	27.1393 mL
5 mM	0.5428 mL	2.7139 mL	5.4279 mL
10 mM	0.2714 mL	1.357 mL	2.7139 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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

Hindmarch I, et al. Neuropsychobiology. 1990-1991;24(3):159-64.

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