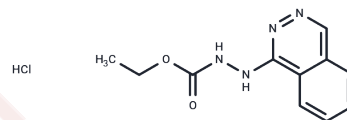


Todralazine hydrochloride

Chemical Properties

CAS No. :	3778-76-5
Formula:	C ₁₁ H ₁₃ ClN ₄ O ₂
Molecular Weight:	268.7
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	Todralazine hydrochloride (Ecarazine hydrochloride) is a β 2AR blocker with antioxidant and free radical scavenging properties, making it suitable for anti-hypertensive research.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	H ₂ O: 14 mg/mL (52.1 mM), Sonication is recommended. DMSO: 120 mg/mL (446.59 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: 4 mg/mL (14.89 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	3.7216 mL	18.6081 mL	37.2162 mL
5 mM	0.7443 mL	3.7216 mL	7.4432 mL
10 mM	0.3722 mL	1.8608 mL	3.7216 mL
50 mM	0.0744 mL	0.3722 mL	0.7443 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

Dimri M, et al. Todralazine protects zebrafish from lethal effects of ionizing radiation: role of hematopoietic cell expansion. Zebrafish. 2015 Feb;12(1):33-47.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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