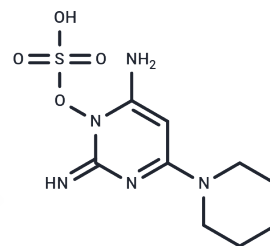


Minoxidil sulfate

Chemical Properties

CAS No. :	83701-22-8
Formula:	C ₉ H ₁₅ N ₅ O ₄ S
Molecular Weight:	289.31
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	Minoxidil sulfate (U-58838) is the active metabolite required to exert the vasodilatory and hair growing effects of minoxidil.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	DMSO: 19.42 mg/mL (67.13 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 mg/mL (6.91 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	3.4565 mL	17.2825 mL	34.565 mL
5 mM	0.6913 mL	3.4565 mL	6.913 mL
10 mM	0.3456 mL	1.7282 mL	3.4565 mL
50 mM	0.0691 mL	0.3456 mL	0.6913 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

Tretinoin enhances minoxidil response in androgenetic alopecia patients by upregulating follicular sulfotransferase enzymes.[J]. Dermatologic Therapy, 2019.

Messenger A G , Rundegren J . Minoxidil: mechanisms of action on hair growth[J]. British Journal of Dermatology, 2004, 150.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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