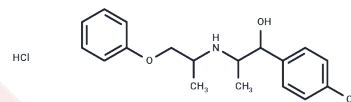


Isoxsuprine hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 579-56-6 |
| Formula: | C ₁₈ H ₂₄ ClNO ₃ |
| Molecular Weight: | 337.84 |
| 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 | Isoxsuprine hydrochloride (Isolait) is a beta-adrenergic agonist that causes direct relaxation of uterine and vascular smooth muscle. |
| Targets(IC50) | Adrenergic Receptor, iGluR |

Solubility Information

| | |
|---------------------|---|
| Solubility | H ₂ O: 11.8 mM, Sonication is recommended. DMSO: 45 mg/mL (133.2 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: 3.3 mg/mL (9.77 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 | 2.960 mL | 14.7999 mL | 29.5998 mL |
| 5 mM | 0.592 mL | 2.960 mL | 5.920 mL |
| 10 mM | 0.296 mL | 1.480 mL | 2.960 mL |
| 50 mM | 0.0592 mL | 0.296 mL | 0.592 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

Gozo EG Jr, Yebes RB. Chest. 1984 Nov;86(5):736-40.

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