

Moxisylyte hydrochloride

Chemical Properties

CAS No. : 964-52-3

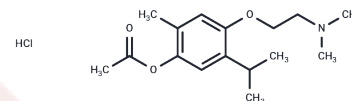
Formula: C₁₆H₂₆ClNO₃

Molecular Weight: 315.84

Store at low temperature

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	Moxisylyte hydrochloride (Thymoxamine hydrochloride) is an alpha-adrenergic blocking agent that is used in Raynaud's disease.
Targets(IC50)	Adrenergic Receptor
Kinase Assay	Aromatase inhibition is measured using human placental microsomes and the method of Thompson and Siiteri with Testosterone (0.5 μM) as substrate. 11-hydroxylase inhibition is determined by measuring the conversion of [1,2,6,7-3H]-11-deoxy- cortisol to cortisol using freshly prepared mitochondria from guinea pig, dog and cow adrenal glands. Reaction products are extracted into chloroform and separated by thin layer chromatography[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (79.15 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 (6.33 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	3.1662 mL	15.8308 mL	31.6616 mL
5 mM	0.6332 mL	3.1662 mL	6.3323 mL
10 mM	0.3166 mL	1.5831 mL	3.1662 mL
50 mM	0.0633 mL	0.3166 mL	0.6332 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

Imagawa A, et al. Life Sci. 1989;44(9):619-23.

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