

Moxipraquine

Chemical Properties

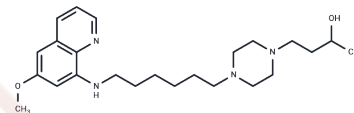
CAS No. : 23790-08-1

Formula: C₂₄H₃₈N₄O₂

Molecular Weight: 414.58

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	Moxipraquine is a novel 8-aminoquinolone compound with anti-infective activity against <i>Trypanosoma cruzi</i> . Moxipraquine effectively inhibited parasitemia but did not eradicate infections in mice or guinea pigs. Moxipraquine was effective against experimental infections of <i>Leishmania major</i> , <i>Lactobacillus mexicanus</i> , and <i>Lactobacillus brasiliensis</i> , but was Ineffective.
Targets(IC50)	Antibiotic,Parasite
In vivo	Moxipraquine (5, 15, or 45 mg base/kg; oral; 14 days) was effective in suppressing parasitemia but did not eradicate the infection from mice or guinea pigs.[1] Moxipraquine (50 mg base/kg; oral; 5 times) was effective on experimental infections of <i>Leishmania major</i> , <i>L. Mexicana mexicana</i> , and <i>L.brasiliensis panamensis</i> but not <i>L.b. brasiliensis</i> .[1]

Solubility Information

Solubility	DMSO: 18.33 mg/mL (44.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4121 mL	12.0604 mL	24.1208 mL
5 mM	0.4824 mL	2.4121 mL	4.8242 mL
10 mM	0.2412 mL	1.206 mL	2.4121 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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

Beveridge E, et al. The activity against Trypanosoma cruzi and cutaneous leishmaniasis, and toxicity, of moxipraquine (349C59). Trans R Soc Trop Med Hyg. 1980;74(1):43-5

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