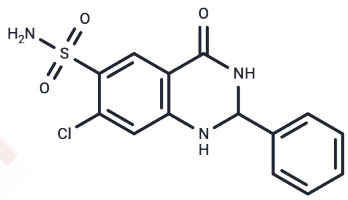
Data Sheet (Cat.No.T31777)

TargetMol

Fenquizone

Chemical Properties



CAS No. : 20287-37-0

Formula: C14H12ClN3O3S

Molecular Weight: 337.78

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	Fenquizone (M.G. 13054), a thiazide-like diuretic, exhibits chronic antihypertensive effect. Fenquizone can be used for the research of oedema and hypertension.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 90 mg/mL (266.45 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. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9605 mL	14.8025 mL	29.6051 mL
5 mM	0.5921 mL	2.9605 mL	5.921 mL
10 mM	0.2961 mL	1.4803 mL	2.9605 mL
50 mM	0.0592 mL	0.2961 mL	0.5921 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

G C Maggi, et al. Single-dose pharmacokinetics of fenquizone in healthy volunteers. Arzneimittelforschung. 1985; 35(6):994-8.

Angelino PF, Alvino-Demartino A, Mappa R, Donati C. Double-blind crossover study of fenquizone compared to chlorthalidone in essential hypertension. Int J Clin Pharmacol Ther Toxicol. 1985 Sep;23(9):501-5. PubMed PMID: 3902676.

Costa FV, Borghi C, Boschi S, Mussi A, Ambrosioni E. Hemodynamic and humoral effects of chronic antihypertensive treatment with fenquizone: importance of aldosterone response. J Clin Pharmacol. 1990 Mar;30 (3):254-61. PubMed PMID: 2179289.

Della Marchina MM, Renzi G, Serofilli S. [Diuretic therapy in the aged. A clinical comparison between two diuretic compounds]. Minerva Med. 1981 Jan 28;72(3):163-6. Italian. PubMed PMID: 7207841.

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