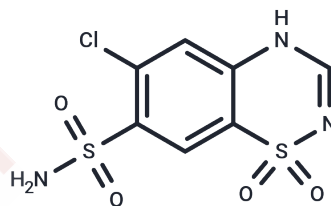


Chlorothiazide

Chemical Properties

CAS No. :	58-94-6
Formula:	C7H6ClN3O4S2
Molecular Weight:	295.72
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Chlorothiazide (Diuril) is a thiazide diuretic with actions and uses similar to those of HYDROCHLOROTHIAZIDE.
Targets(IC50)	RAAS,Others,Carbonic Anhydrase

Solubility Information

Solubility	DMSO: 55 mg/mL (185.99 mM),Sonication is recommended. Ethanol: <1 mg/mL, (< 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 (11.16 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	3.3816 mL	16.9079 mL	33.8158 mL
5 mM	0.6763 mL	3.3816 mL	6.7632 mL
10 mM	0.3382 mL	1.6908 mL	3.3816 mL
50 mM	0.0676 mL	0.3382 mL	0.6763 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

Schmidt H, et al. Horm Metab Res. 2001 Jun;33(6):354-7.

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