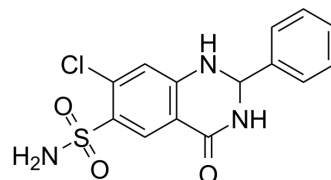


## Fenquizone

Cat. No.:	HY-126179		
CAS No.:	20287-37-0		
Molecular Formula:	C <sub>14</sub> H <sub>12</sub> ClN <sub>3</sub> O <sub>3</sub> S		
Molecular Weight:	337.78		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (296.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9605 mL	14.8025 mL	29.6051 mL
	5 mM	0.5921 mL	2.9605 mL	5.9210 mL
	10 mM	0.2961 mL	1.4803 mL	2.9605 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (7.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (7.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (7.40 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Fenquizone (MG-13054), a thiazide-like diuretic, exhibits chronic antihypertensive effect. Fenquizone (MG-13054) is orally active. Fenquizone can be used for the research of oedema and hypertension<sup>[1]</sup>.

### REFERENCES

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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