Trithiozine

Cat. No.: HY-108287

CAS No.: 35619-65-9

Molecular Formula: $C_{14}H_{19}NO_4S$

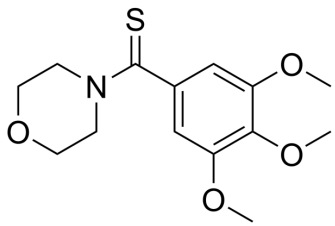
Molecular Weight: 297.37

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (336.28 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.3628 mL	16.8141 mL	33.6281 mL
	5 mM	0.6726 mL	3.3628 mL	6.7256 mL
	10 mM	0.3363 mL	1.6814 mL	3.3628 mL

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

BIOLOGICAL ACTIVITY

Description

Trithiozine is an orally active antisecretory and antiulcer agent. Trithiozine can be used for the research of peptic ulcer disease and hypersecretory disorders[1].

In Vivo

Trithiozine (T) (i. p., oral, i. v.; 50 mg/kg, 200 mg/kg) shows a considerable antisecretory and antiulcer activity on different experimental models in the rats and dogs[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	female Sprague-Dawley rats and male beagle dogs[1]
Dosage:	50 mg/kg (rats); 200 mg/kg or 50 mg/kg (dogs)
Administration:	i. p., single (rats); oral, single or i. v. (dogs)
Result:	Showed an apparent plasma half-life of about 2.5 h in rats and 1 h in dogs and rapidly metabolized yielding two metabolites and two conjugates.

REFERENCES

[1]. G. M. Pacifici, et al. Pharmacokinetics and biotransformation, in rats and dogs, of trithiozine, a new antisecretory drug. , 1(3), 141–147. doi:10.1007/bf03189268.

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