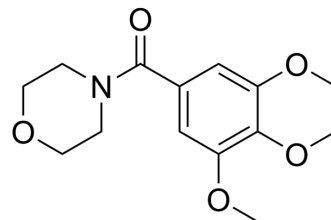


Trimetozine

Cat. No.:	HY-B1316		
CAS No.:	635-41-6		
Molecular Formula:	C ₁₄ H ₁₉ NO ₅		
Molecular Weight:	281.3		
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 (355.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5549 mL	17.7746 mL	35.5492 mL
	5 mM	0.7110 mL	3.5549 mL	7.1098 mL
	10 mM	0.3555 mL	1.7775 mL	3.5549 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 (8.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Trimetozine is an orally active sedative. Trimetozine has mild tranquilizing effects. Trimetozine can be used for the research of anxiety^{[1][2][3]}.

REFERENCES

- [1]. Kajikawa, et al. Absorption, distribution, and excretion of trimetozine after single administration in rats. *Oyo Yakuri*. Volume: 13 Issue: 6 Pages: 809-16 Journal 1977.

[2]. P Taverna, et al. Clinical trial of a new tranquilizing agent: trioxazine. Minerva Med. 1970 Jun 9;61(46):2574-90.

[3]. V M Shpak, et al. Trioxazine in the treatment of night anxiety in children.

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

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