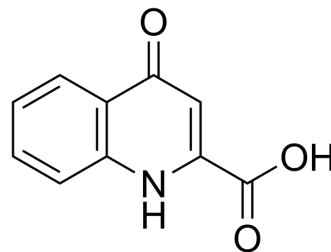


Transtorine

Cat. No.:	HY-W110662		
CAS No.:	13593-94-7		
Molecular Formula:	C ₁₀ H ₇ NO ₃		
Molecular Weight:	189.17		
Target:	Bacterial		
Pathway:	Anti-infection		
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 : 10 mg/mL (52.86 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.2863 mL	26.4313 mL	52.8625 mL
5 mM	1.0573 mL	5.2863 mL	10.5725 mL
10 mM	0.5286 mL	2.6431 mL	5.2863 mL

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

BIOLOGICAL ACTIVITY

Description

Transtorine is a quinoline alkaloid, found from *Ephedra transitoria*, with antibacterial activity^[1].

In Vitro

Transtorine shows growth inhibitory activity against *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Enterobacter cloacae*, with MIC 0.38, 0.5, and 0.45 mg/mL, respectively^[1].

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

REFERENCES

[1]. al-Khalil S, et al. Transtorine, a new quinoline alkaloid from *Ephedra transitoria*. *J Nat Prod*. 1998 Feb;61(2):262-3.

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

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