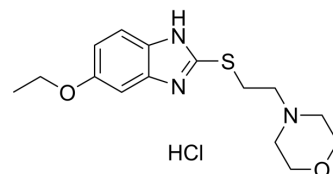


Fabomotizole hydrochloride

Cat. No.:	HY-14895A
CAS No.:	173352-39-1
Molecular Formula:	C ₁₅ H ₂₂ ClN ₃ O ₂ S
Molecular Weight:	343.87
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (290.81 mM; Need ultrasonic) DMSO : ≥ 44 mg/mL (127.96 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent Mass Concentration</div>	1 mg	5 mg	10 mg
		1 mM	2.9081 mL	14.5404 mL	29.0808 mL
		5 mM	0.5816 mL	2.9081 mL	5.8162 mL
		10 mM	0.2908 mL	1.4540 mL	2.9081 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (145.40 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Fabomotizole hydrochloride (CM346 hydrochloride) is an anxiolytic agent. Fabomotizole hydrochloride produces anxiolytic and neuroprotective effects without any muscle relaxant actions.
In Vitro	Afobazole's mechanism of action remains poorly defined however, with GABAergic, NGF and BDNF release promoting, MT1 receptor antagonism, MT3 receptor antagonism, and sigma agonism suggested as potential mechanisms. Afobazole was shown to inhibit MAO-A reversibly and there might be also some involvement with serotonin receptors. Afobazole has found little clinical use outside of Russia and has not been evaluated by the FDA. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA