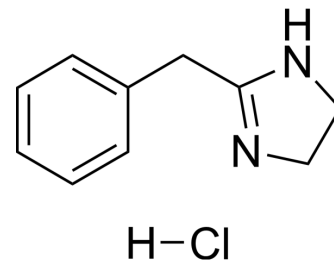


Tolazoline hydrochloride

Cat. No.:	HY-A0066A
CAS No.:	59-97-2
Molecular Formula:	C ₁₀ H ₁₃ ClN ₂
Molecular Weight:	196.68
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
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

H₂O : ≥ 50 mg/mL (254.22 mM)
 DMSO : 33.33 mg/mL (169.46 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		5.0844 mL	25.4220 mL	50.8440 mL
	5 mM		1.0169 mL	5.0844 mL	10.1688 mL
	10 mM		0.5084 mL	2.5422 mL	5.0844 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (508.44 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.71 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tolazoline (Imidaline) hydrochloride is an alpha-adrenergic receptor inhibitor.

REFERENCES

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

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