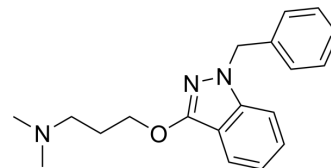


Benzydamine hydrochloride

Cat. No.:	HY-30235A
CAS No.:	132-69-4
Molecular Formula:	C ₁₉ H ₂₄ ClN ₃ O
Molecular Weight:	345.87
Target:	PGE synthase; Bacterial
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl

SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 41 mg/mL (118.54 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8913 mL	14.4563 mL	28.9126 mL
	5 mM	0.5783 mL	2.8913 mL	5.7825 mL
	10 mM	0.2891 mL	1.4456 mL	2.8913 mL

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 100 mg/mL (289.13 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Benzydamine hydrochloride is a prostaglandin synthase inhibitor, anti-inflammatory, and has also been reported to have antibacterial activity.

REFERENCES

- [1]. Anand JS, et al. Recreational abuse with benzydamine hydrochloride (tantum rosa). *Clin Toxicol (Phila)*. 2007;45(2):198-9.
- [2]. Opaleye ES, et al. Recreational use of benzydamine as a hallucinogen among street youth in Brazil. *Rev Bras Psiquiatr*. 2009 Sep;31(3):208-13.
- [3]. Mota DM, et al. Use abusive of benzydamine in Brazil: an overview in pharmacovigilance. *Cien Saude Colet*. 2010 May;15(3):717-24.
- [4]. Fanaki NH, et al. Antimicrobial activity of benzydamine, a non-steroid anti-inflammatory agent. *J Chemother*. 1992 Dec;4(6):347-52.

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

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