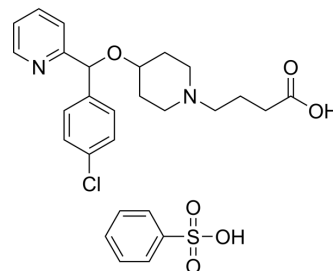


(Rac)-Bepotastine besilate

Cat. No.:	HY-A0015A
CAS No.:	1415692-17-9
Molecular Formula:	C ₂₇ H ₃₁ ClN ₂ O ₆ S
Molecular Weight:	547.06
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

DMSO : 50 mg/mL (91.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8280 mL	9.1398 mL	18.2795 mL
	5 mM	0.3656 mL	1.8280 mL	3.6559 mL
	10 mM	0.1828 mL	0.9140 mL	1.8280 mL

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

BIOLOGICAL ACTIVITY

Description

(Rac)-Bepotastine (besilate) is the isomer of Bepotastine (besilate) (HY-A0015), and can be used as an experimental control. Bepotastine besilate is a selective and orally active second-generation histamine H1 receptor antagonist, can suppress the expression of nerve growth factor (NGF). Bepotastine besilate has the potential for allergic rhinitis, allergic conjunctivitis and urticaria/pruritus research^{[1][2][3][4]}.

REFERENCES

- [1]. Kida T, et al. Bepotastine besilate, a highly selective histamine H(1) receptor antagonist, suppresses vascular hyperpermeability and eosinophil recruitment in in vitro and in vivo experimental allergic conjunctivitis models. *Exp Eye Res.* 2010 Jul;91(1):85-91.
- [2]. Kamata Y, et al. Bepotastine besilate downregulates the expression of nerve elongation factors in normal human epidermal keratinocytes. *J Dermatol Sci.* 2018 Apr 23:S0923-1811(18)30186-5.
- [3]. Tanizaki H, et al. Oral administration of bepotastine besilate suppressed scratching behavior of atopic dermatitis model NC/Nga mice. *Int Arch Allergy Immunol.* 2008;145(4):277-82.

[4]. Jon I Williams, et al. Non-clinical pharmacology, pharmacokinetics, and safety findings for the antihistamine bepotastine besilate. *Curr Med Res Opin.* 2010 Oct;26(10):2329-38.

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

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