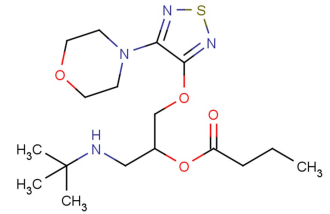


Data Sheet (Cat.No.T13439)

(RS)-Butyryltimolol

Chemical Properties

CAS No.:	T13439
Formula:	C ₁₇ H ₃₀ N ₄ O ₄ S
Molecular Weight:	386.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(RS)-Butyryltimolol is the racemate of Butyryltimolol. Butyryltimolol is a β -adrenergic blocker.
Targets(IC ₅₀)	Others: None
In vitro	Butyryltimolol is equally effective as 240-min nasolacrimal blockade in enhancing ocular drug absorption[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (258.73 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.587 mL	12.936 mL	25.873 mL
5 mM	0.517 mL	2.587 mL	5.175 mL
10 mM	0.259 mL	1.294 mL	2.587 mL
50 mM	0.052 mL	0.259 mL	0.517 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Chang SC, et al. Relative effectiveness of prodrug and viscous solution approaches in maximizing the ratio of ocular to systemic absorption of topically applied timolol. *Exp Eye Res.* 1988 Jan;46(1):59-69.
- Potter DE, et al. Ocular and cardiac beta-antagonism by timolol prodrugs, timolol and levobunolol. *Curr Eye Res.* 1988 Aug;7(8):755-9.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481