
Product Data Sheet

Product Name: Butyryltimolol

Cat. No.: GC64504

Chemical Properties

Cas. No. 106351-79-5

Formula C₁₇H₃₀N₄O₄S

M.Wt 386.51

Solubility DMSO : 100 mg/mL (258.73 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Butyryltimolol, an effective prodrug of Timolol, improves the corneal penetration of Timolol[1]. Butyryltimolol is a β -adrenergic blocker[2].

Butyryltimolol, a prodrug of Timolol, is equally effective as 240-min nasolacrimal blockade in enhancing ocular drug absorption[1].

[1]. 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.

[2]. Potter DE, et al. Ocular and cardiac beta-antagonism by timolol prodrugs, timolol and levobunolol. Curr Eye Res. 1988 Aug;7(8):755-9.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA