
Product Data Sheet

Product Name: Tertatolol ((±)-Tertatolol)

Cat. No.: GC32637

Chemical Properties

Cas. No. 83688-84-0

SMILES OC(CNC(C)(C)C)COC1=C2C(CCCS2)=CC=C1Formula C₁₆H₂₅NO₂S M.Wt 295.44

Solubility Soluble in DMSO 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**

Tertatolol is a potent antagonist of beta-adrenoceptor and 5-HT receptor, with unique renal vasodilatory effects.

In serum-free media, tertatolol does not significantly alter the incorporation of 3H-thymidine after 28 h of incubation in human mesangial cell (HMC). In the presence of 1% serum, tertatolol significantly reduces 3H-thymidine incorporation. Tertatolol also inhibits 3H incorporation when PDGF and thrombin are used as the stimulus. Tertatolol inhibits the reduction in planar surface area of HMC induced by angiotensin II. The inhibitory effect of tertatolol on HMC proliferation is also potentiated by ritanserin and MDL 72222, 5HT₂ and 5HT₃ antagonists, respectively[1].

[1]. Shultz P, et al. Tertatolol: a beta-blocker with unique effects on human glomerular cell function. *Cardiology*. 1993;83 Suppl 1:51-6.

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

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