

Product Data Sheet

Product Name: 6, 6-dimethyl-2-(phenylimino)-4, 5, 6, 7-tetrahydro-2H-1, 3-benzoxathiol-4-one
Cat. No.: GF20389

Chemical Properties

Cas. No. 113760-29-5

Formula C₁₅H₁₅NO₂S M.Wt 273.3501

Solubility DMSO : 100 mg/mL (365.83 mM; Storage 20°C
Need ultrasonic)

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

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

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BOT-64 is an inhibitory 魏B (I魏B) kinase 尾 (IKK尾) inhibitor with an IC50 of 1 碌M. BOT-64 blocks lipopolysaccharide-induced nuclear factor-魏B activation and nuclear factor-魏B-regulated inflammatory gene transcription.

BOT-64 (3-30 mg/kg) increases the survival rates of endotoxin LPS-shocked mice^[1].

[1]. Kim BH, et al. Benzoxathiole derivative blocks lipopolysaccharide-induced nuclear factor-kappaB activation and nuclear factor-kappaB-regulated gene transcription through inactivating inhibitory kappaB kinase beta. Mol Pharmacol. 2008 Apr;73(4):1309-18.

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