
Product Data Sheet

Product Name: CP-060
Cat. No.: GC35738

Chemical Properties

Cas. No. 180090-15-7

SMILES O=C1N(CCCN(CCOC2=CC=C(OCO3)C3=C2)C)C(C4=CC(C(C)(C)C)=C(O)C(C(C)(C)C)=C4)SC1

Formula C₃₀H₄₂N₂O₅S M.Wt 542.73

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

CP-060 is a potent Ca²⁺ antagonist, inhibits Ca²⁺ overload and possesses antioxidant and cardioprotective activities.

CP-060 (0.5, 5 μM) inhibits rabbit LDL oxidation induced by soybean lipoxygenase by 12.9% and 3.0%, respectively[1].

CP-060 (100 mg/kg, i.v.) increases the coronary blood flow by 96% in anesthetized dogs[2].

[1]. Kato T, et al. Novel calcium antagonists with both calcium overload inhibition and antioxidant activity. 1. 2-(3, 5-di-tert-butyl-4-hydroxyphenyl)-3-(aminopropyl)thiazolidinones. J Med Chem. 1998 Oct 22;41(22):4309-16. [2]. Kato T, et al. Novel calcium antagonists with both calcium overload inhibition and antioxidant activity. 2. Structure-activity relationships of thiazolidinone derivatives. J Med Chem. 1999 Aug 12;42(16):3134-46.

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

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