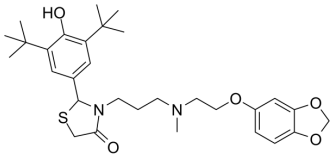
# CP-060

| | |
|---|---|
| **Cat. No.:** | HY-U00354 |
| **CAS No.:** | 180090-15-7 |
| **Molecular Formula:** | $C_{30}H_{42}N_2O_5S$ |
| **Molecular Weight:** | 542.73 |
| **Target:** | Calcium Channel |
| **Pathway:** | Membrane Transporter/Ion Channel; Neuronal Signaling |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

| | |
|---|---|
| **Description** | CP-060 is a potent $Ca^{2+}$ antagonist, inhibits $Ca^{2+}$ overload and possesses antioxidant and cardioprotective activities. |
| **In Vitro** | CP-060 (0.5, 5 μM) inhibits rabbit LDL oxidation induced by soybean lipoxygenase by 12.9% and 3.0%, respectively[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| **In Vivo** | CP-060 (100 mg/kg, i.v.) increases the coronary blood flow by 96% in anesthetized dogs[2].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[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.



Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA