

Catalog Number: CM07517

产品信息

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CM07517

CAS号:
75450-34-9

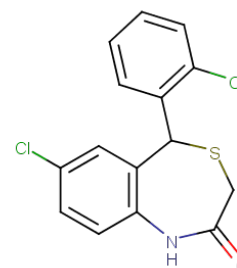
分子式:
 $C_{15}H_{11}Cl_2NOS$

主要靶点:
Na⁺/Ca²⁺ Exchanger

主要通路:
离子通道

分子量:
324.22

溶解度:
DMSO:65 mg/mL (200.48 mM)



靶点活性

Na⁺, Ca²⁺ exchanger:0.8 μM

体外活性

Administration of 10⁻⁷ μM CGP37157 shows an inhibitory effect on mitochondrial Na⁺/Ca²⁺ exchanger in cortical neurons, modulating intracellular Ca²⁺ levels via suppressing voltage-gated calcium channels. Administration of 10⁻⁷ μM CGP37157 in combination with salinomycin significantly attenuates cell viability and increases apoptosis of FaDu and HLaC79 cells. CGP37157 has no inhibitory effect on salinomycin tumor toxicity[2]. Administration of 10⁻⁷ μM CGP37157 reduces NMDA-induced cytosolic and mitochondrial Ca²⁺ overloads and it also reduces NMDA-induced excitotoxicity, and such an effect is via attenuating mitochondrial damage and calpain activity in neurons[3].

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.