
Calmidazolium chloride

产品编号: D58240

CAS: 57265-65-3

分子式: C₃₁H₂₃Cl₇N₂O

纯度: 98.06%

InChi Key: InChIKey=YGEIMSMISRCBFF-UHFFFAOYSA-M

Smiles: ClC1=CC=C(COC(C2=CC=C(Cl)C=C2Cl)CN3C=[N+](C(C4=CC=C(Cl)C=C4)C5=CC=C(Cl)C=C5)C=C3)C(Cl)=C1.[Cl-]

外观: 固体粉末

作用通路: Autophagy; Neuroscience

作用靶点: Autophagy; CaMK

溶解性: DMSO : 100 mg/mL (145.41 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Calmidazolium chloride is a calmodulin (CaMK) antagonist (K_d = 3 nM), antagonizing CaM-dependent phosphodiesterase (IC₅₀ = 0.15 μM) and calmodulin-induced activation of erythrocyte Ca²⁺-transporting ATPase (IC₅₀ = 0.35 μM). Calmidazolium chloride also induces apoptosis in certain cancer cell lines.