

Product Data Sheet

Product Name: (±)-SDZ-201 106

Cat. No.: GC41677

Chemical Properties

Cas. No. 97730-95-5

SMILES OC(COC1=CC=CC2=C1C=C(C#N)N2)CN(CC3)CCN3C(C4=CC=CC=C4)C5=CC=CC=C5

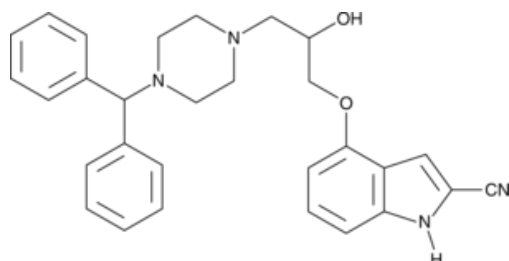
Formula C₂₉H₃₀N₄O₂ M.Wt 466.6

Solubility DMF: 30 mg/mL, DMSO: 30 mg/mL, Ethanol: 1.6 mg/mL 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

(±)-SDZ-201 106 is a diphenylpiperazinyndole derivative that prolongs the open state of cardiac voltage-gated Na⁺ channels. It has been shown to increase net Na⁺ influx and the activity of reverse mode Na⁺/Ca²⁺ exchange, which leads to an increase in intracellular Ca²⁺, as well as to partially inhibit the Na⁺ pump in cardiac myocytes. (±)-SDZ-201 106 is also reported to act as an open-channel blocker of delayed-rectifier K⁺ channels in NG108-15 neuronal cells.

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

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