
Product Data Sheet

Product Name: Nexopamil racemate

Cat. No.: GC32563

Chemical Properties

Cas. No. 116759-35-4

SMILES N#CC(C(C)C)(CCCN(CCCCC)C)C1=CC(OC)=C(OC)C(OC)=C1Formula $C_{24}H_{40}N_2O_3$ M.Wt 404.59

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**

Nexopamil racemate is the racemate of Nexopamil. Nexopamil is a combined Ca²⁺/5-HT₂ antagonist on thrombus formation in vivo and on platelet aggregation in vitro.

Serotonin-induced platelet aggregation in dog platelet-rich plasma (PRP) in vitro is most potently inhibited by Nexopamil (IC₅₀ 81 nM) [1].

Nexopamil (0.05 mg/kg) completely abolishes cyclic flow reductions (CFRs) during the first 30 min after application without significantly altering hemodynamics[1].

[1]. Kirchengast M, et al. Inhibition by the combined Ca²⁺ and 5-HT₂ receptor antagonist nexopamil (LU 49938) of intracoronary thrombus formation in a canine model of arterial stenosis and intimal damage. J Cardiovasc Pharmacol. 1993 Nov;22(5):687-94.

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

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