

Netupitant

Catalog No: tcsc3337



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

290297-26-6

Formula:

$C_{30}H_{32}F_6N_4O$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

Neurokinin Receptor;Neurokinin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : 23.2 mg/mL (40.10 mM; Need ultrasonic and warming)

Alternative Names:

CID 6451149

Observed Molecular Weight:

578.59

Product Description

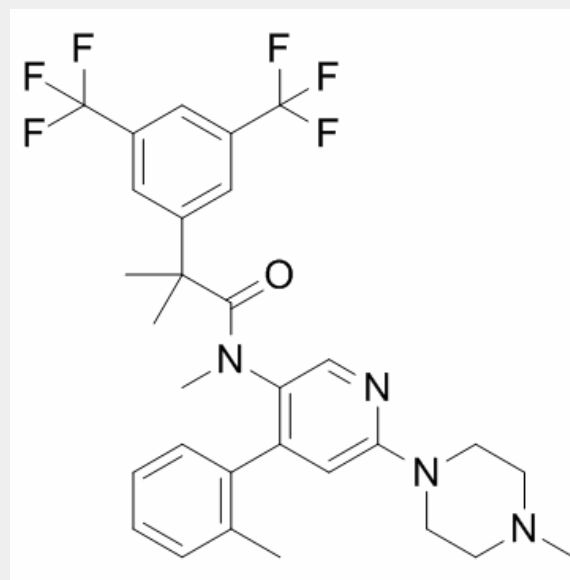
Netupitant (CID-6451149) is a highly potent and selective, orally active neurokinin-1 receptor antagonist with K_i of 0.95 nM.

IC50 value: 0.95 nM (K_i) [1]

Target: NK1 receptor

in vitro: Netupitant also dose-dependently inhibited the SP response as expected from an NK1 receptor antagonist. Importantly, when both palonosetron and netupitant were present, they exhibited an enhanced inhibition of the SP response compared to either of the two antagonists alone [2].

in vivo: In mice the intrathecal injection of SP elicited the typical scratching, biting and licking response that was dose-dependently inhibited by Netupitant given intraperitoneally in the 1-10mg/kg dose range. In gerbils, foot tapping behavior evoked by the intracerebroventricular injection of a NK(1) agonist was dose-dependently counteracted by Netupitant given intraperitoneally (ID(50) 1.5mg/kg) or orally (ID(50) 0.5mg/kg) [3].



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