

(4E) -SUN9221

Catalog No: tcsc7428



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 20mg



Specifications

CAS No:

222318-55-0

Formula:

$C_{25}H_{31}FN_4O_3$

Pathway:

GPCR/G Protein;Neuronal Signaling;GPCR/G Protein

Target:

Adrenergic Receptor;5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

454.54

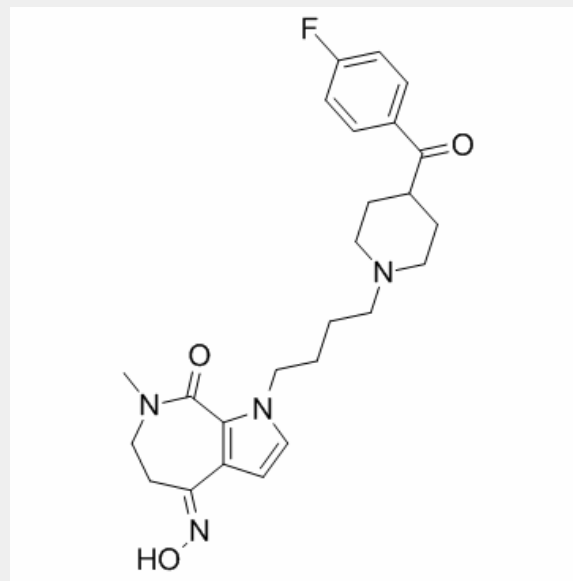
Product Description

(4E)-SUN9221 is a potent antagonist of **α1-adrenergic receptor** and **5-HT2 receptor**, with antihypertensive and anti-platelet

aggregation activities.

In Vitro: (4E)-SUN9221 potently inhibits collagen-, ADP- and epinephrine-induced platelet aggregation, with IC₅₀s of 10 nM, 35 nM, 14 nM, respectively, in human platelet-rich plasma (PRP). (4E)-SUN9221 displays potent α 1-adrenergic antagonist activity (pA₂ = 8.89 $\pm$ 0.21) and 5-HT₂ antagonist activity (pA₂ = 8.74 $\pm$ 0.22)^[1].

In Vivo: (4E)-SUN9221 (1, 3, 10 mg/kg, p.o.) reduces the blood pressure in a dose-dependent manner in conscious spontaneously hypertensive rats (SHR). (4E)-SUN9221 (3 mg/kg) exhibits antihypertensive activity in SHR^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!