
Product Data Sheet

Product Name: (4E)-SUN9221

Cat. No.: GC32644

Chemical Properties

Cas. No. 222318-55-0

SMILES O=C(C1=C/C2=CN1CCCCN3CCC(C(C4=CC=C(F)C=C4)=O)CC3)N(C)CCC2=N/OFormula $C_{25}H_{31}FN_4O_3$ M.Wt 454.54

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**

(4E)-SUN9221 is a potent antagonist of α 1-adrenergic receptor and 5-HT2 receptor, with antihypertensive and anti-platelet aggregation activities.

(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 ($pA_2 = 8.89 \pm 0.21$) and 5-HT2 antagonist activity ($pA_2 = 8.74 \pm 0.22$)[1].

(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].

[1]. Mizuno A, et al. Synthesis and pharmacological evaluation of pyrroloazepine derivatives as potent antihypertensive agents with antiplatelet aggregation activity. Chem Pharm Bull (Tokyo). 1999 Feb;47(2):246-56.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
