
RS-127445

产品编号: D51227

CAS: 199864-87-4

分子式: C₁₇H₁₆FN₃

纯度: ≥98%

InChi: InChi=1S/C₁₇H₁₆FN₃/c1-10(2)15-9-16(21-17(19)20-15)13-7-8-14(18)12-6-4-3-5-11(12)13/h3-10H,1-2H3,(H2,19,20,21)

InChi Key: ZZZQXCUPAJFVBN-UHFFFAOYSA-N

Smiles: CC(C)C1=CC(=NC(N)=N1)C1=CC=C(F)C2=CC=CC=C21

外观: 固体粉末

作用通路: 5-HT Receptor

溶解性: DMSO: 56 mg/mL(199.05 mM). Water: Insoluble.

保存条件: Store in dry, dark place for one year.

产品介绍: RS-127445 is a selective; high affinity; orally bioavailable serotonin 5-HT_{2B} receptor antagonist. RS-127445 was found to have nanomolar affinity for the 5-HT_{2B} receptor (pK_i = 9.5+/-0.1) and 1,000 fold selectivity for this receptor as compared to numerous other receptor and ion channel binding sites. RS-127445 potently antagonized 5-HT-evoked formation of inositol phosphates (pK(B) = 9.5+/-0.1) and 5-HT-evoked increases in intracellular calcium (pIC₅₀ = 10.4+/-0.1). RS-127445 also blocked 5-HT-evoked contraction of rat isolated stomach fundus (pA₂ = 9.5+/-1.1) and (+/-)alpha-methyl-5-HT-mediated relaxation of the rat jugular vein (pA₂ = 9.9+/-0.3).