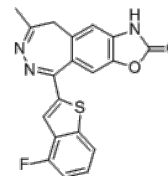


Product Name : S44819
Cat. No. : PC-35544
CAS No. : 1398496-82-6
Molecular Formula : C₁₉H₁₂FN₃O₂S
Molecular Weight : 365.382
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

S44819 (S-44819, Egis-1352 Afizagabar) is a novel potent, competitive, selective antagonist of the **α5-GABAAR** with K_d of 221 nM, IC₅₀ of 585 nM (α5β2γ2).

S44819 does not inhibit the activation of α5-GABAARs by etomidate, displays weak activity against α1β2γ2 (IC₅₀=2.4 μM) and α3β2γ2 (IC₅₀=3.7 μM).

S44819 enhances hippocampal synaptic plasticity and exhibits pro-cognitive efficacy in vivo.

References

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Gacsályi I, et al. *Neuropharmacology.* 2017 Oct;125:30-38.
Etherington LA, et al. *Neuropharmacology.* 2017 Oct;125:353-364.
Gacsályi I, et al. *Eur J Pharmacol.* 2018 Jul 21;834:118-125.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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