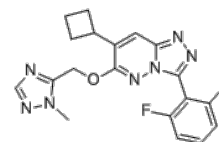


Product Name : MK-0343
Cat. No. : PC-62091
CAS No. : 233275-76-8
Molecular Formula : C₁₉H₁₇F₂N₇O
Molecular Weight : 397.39
Target : GABA Receptor
Solubility : 10 mM in DMSO



Biological Activity

MK-0343 (MRK-409) is a potent, α 2/3 subtype selective, partial **GABAA** receptor agonist, shows greater agonist efficacy at the α 3 over α 1 subtypes.

MK-0343 readily penetrates the brain in rats and occupies the benzodiazepine site of GABA(A) receptors with an Occ(50) of 2.2 mg/kg p.o. and a corresponding plasma EC50 of 115 ng/mL.

MK-0343 produces anxiolytic-like activity in rodent and primate unconditioned and conditioned models of anxiety.

References

Atack JR, et al. J Psychopharmacol. 2011 Mar;25(3):314-28.

de Haas SL, et al. J Psychopharmacol. 2008 Jan;22(1):24-32.

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

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