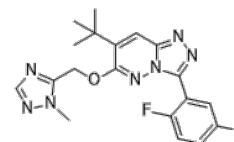


Product Name : L-838417
Cat. No. : PC-24259
CAS No. : 286456-42-6
Molecular Formula : C₁₉H₁₉F₂N₇O
Molecular Weight : 399.41
Target : GABA Receptor
Solubility : 10 mM in DMSO



CAS: 286456-42-6

Biological Activity

L-838417 (L-838,417) is a potent, α 2,3,5-selective GABAA receptor partial agonist/positive allosteric modulator (PAM) and antagonist at the α 1, shows binding K_i values of 0.79 nM, 0.67 nM, 1.67 nM, 267 nM, 2.25 nM and 2183 nM for α 1 β 3 γ 2, α 2 β 3 γ 2, α 3 β 3 γ 2, α 4 β 3 γ 2, α 5 β 3 γ 2 and α 6 β 3 γ 2 respectively.

L-838417 produces anxiolytic effects in adult rat, as indexed by a transformation of social avoidance into preference and an increase in social investigation.

L-838417 eliminates social avoidance, but has no anxiolytic effects on social investigation.

References

McKernan RM, et al. Nat Neurosci. 2000 Jun;3(6):587-92. doi: 10.1038/75761.

Mikkelsen JD, et al. Eur J Pharmacol. 2005 Sep 20;519(3):223-30.

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

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