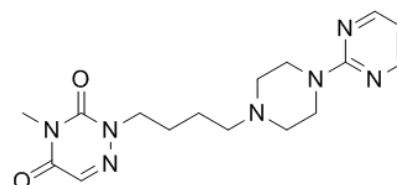


Product Name : F-11440
Cat. No. : PC-45757
CAS No. : 179756-58-2
Molecular Formula : C₁₆H₂₃N₇O₂
Molecular Weight : 345.3995
Target : 5-HT Receptor
Solubility : DMSO: 6 mg/mL (Need ultrasonic)



Biological Activity

A potent, selective 5-HT_{1A} receptor agonist with K_i of 4.8 nM, pK_i of 8.33; shows ≥ shows 100-fold higher affinity for the other serotonin receptor subtypes, and has no detectable antidopaminergic activity and antihistaminergic activity; decreases the forskolin-induced increase in AMP in HeLa cells expressing human 5-HT_{1A} receptors; produces anxiolytic- and antidepressant-like effects in animal models.

Anxiety

Phase 1 Discontinued

References

Koek W, et al. J Pharmacol Exp Ther. 1998 Oct;287(1):266-83.

Prinssen EP, et al. Eur J Pharmacol. 2002 Oct 25;453(2-3):217-21.

Pauwels PJ, et al. J Pharmacol Exp Ther. 2003 Nov;307(2):608-14.

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

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