

Product Name : F-11440

Synonyms : Eptapirone

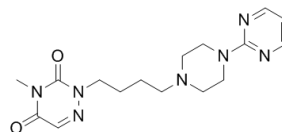
Cat No. : M12716

CAS Number : 179756-58-2

Molecular Formula : C₁₆H₂₃N₇O₂

Formula Weight : 345.40

Chemical Name : 1,2,4-Triazine-3,5(2H,4H)-dione, 4-methyl-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-



Description : A potent, selective 5-HT_{1A} receptor agonist with K_i of 4.8 nM, pK_i of 8.33; 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

Pathway : Endocrinology/Hormones

Target : 5-HT Receptor

Receptor : 5-HT_{1A}

Solubility : DMSO: 6 mg/mL (Need ultrasonic)

SMILES : O=C1N(C)N(CCCCN2CCN(C3=NC=CC=N3)CC2)N=CC1=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Koek W, et al. J Pharmacol Exp Ther. 1998 Oct;287(1):266-83. | 2. Prinssen EP, et al. Eur J Pharmacol. 2002 Oct 25;453(2-3):217-21. | 3. Pauwels PJ, et al. J Pharmacol Exp Ther. 2003 Nov;307(2):608-14.