

Product Data Sheet

Product Name: LY2444296

Cat. No.: GC39193

Chemical Properties

Cas. No. 1346133-11-6

SMILES O=C(N)C1=CC=C(OC2=CC=C(CN3[C@H](C4=CC=CC(F)=C4)CCC3)C=C2)C(F)=C1

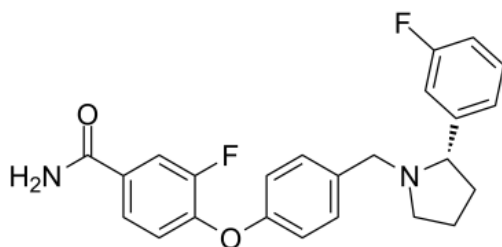
Formula $C_{24}H_{22}F_2N_2O_2$ M.Wt 408.44

Solubility Ethanol: 27.5 mg/mL (67.33 mM); Storage Store at -20°C
Methanol: 5 mg/mL (12.24 mM)

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

LY2444296 is an orally bioavailable, high-affinity and selective short-acting kappa opioid receptor (KOPR) antagonist, with a K_i value of ~1 nM. LY2444296 exhibits anti-anxiety like effects[1][2].

[1]. Huang P, et al. Two short-acting kappa opioid receptor antagonists (zyklophin and LY2444296) exhibited different behavioral effects from the long-acting antagonist norbinaltorphimine in mouse anxiety tests. *Neurosci Lett.* 2016 Feb 26;615:15-20. [2]. Valenza M, et al. "Effects of the novel

Caution: Product has not been fully validated for medical applications. For research use only.

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relatively short-acting kappa opioid receptor antagonist LY2444296 in behaviors observed after chronic extended-access cocaine self-administration in rats". Psychopharmacology (Berl). 2017 Aug;234(15):2219-2231.

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