

Product Data Sheet

Product Name: GLP-1R Antagonist 1

Cat. No.: GC36148

Chemical Properties

Cas. No. 488097-06-9

SMILES O=C1C2=C(NC(C3=CC=C(Cl)C=C3)=NC2(C(F)(F)F)C(F)(F)F)N(C)C(N1C)=O

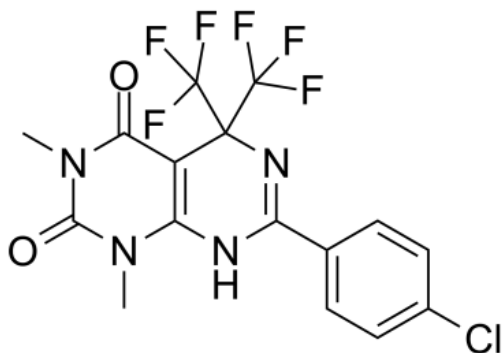
Formula $C_{16}H_{11}ClF_6N_4O_2$ M.Wt 440.73

Solubility DMSO : 100 mg/mL (226.90 mM; Need ultrasonic) Storage Store at -20°C

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



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

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Background

GLP-1R Antagonist 1 (compound 5d) is an orally active, CNS penetrant and non-competitive antagonist of glucagon-like peptide 1 receptor (GLP-1R), with an IC₅₀ of 650 nM[1]. IC₅₀: 650 nM (GLP-1R)[1].

[1]. Kellie D. Nance, et al. Discovery of a novel series of orally bioavailable and CNS penetrant Glucagon-Like Peptide 1 Receptor (GLP-1R) non-competitive antagonists based on a 1,3-disubstituted-7-aryl-5,5-bis(trifluoromethyl)-5,8-dihydropyrimido[4,5-d]pyrimidine-2,4(1H,3H)-dione core. J. Med. Chem. 19 Jan 2017.

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