

Product Data Sheet

Product Name: TC-G 1005

Cat. No.: GC50107

Chemical Properties

Cas. No. 1415407-60-1

SMILES CC1=CC(OC2=CC=NC=C2C(N3C(C=CC=C4)=C4N(C5CC5)CC3)=O)=C(C)C=C1

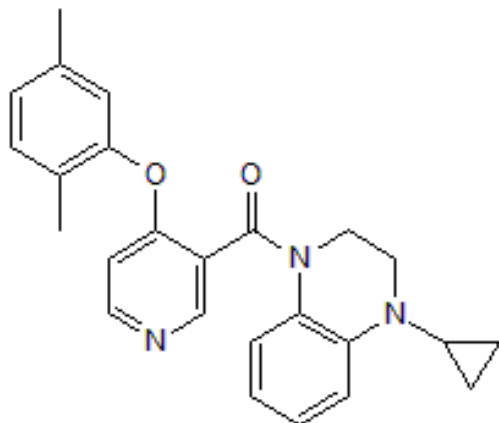
Formula C₂₅H₂₅N₃O₂ M.Wt 399.48

Solubility DMSO : 33.33 mg/mL (83.43 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



Background

Potent and selective GPBA agonist (EC₅₀ = 0.72 nM for hTGR5). Selective for TGR5 over FXR (farnesoid X receptor). Increases plasma GLP-1 levels and reduces blood glucose in mice. Orally available.

Duan et al (2012) Design, synthesis, and antidiabetic activity of 4-phenoxynicotinamide and 4-phenoxypyrimidine-5-carboxamide derivatives as potent and orally efficacious TGR5 agonists. J.Med.Chem. 55 10475 PMID:23148522

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA