
Product Data Sheet

Product Name: hGPR91 antagonist 1

Cat. No.: GC36225

Chemical Properties

Cas. No. 1314796-00-3

SMILES O=C(N[C@@H](C)C1=CC=C(C2=CC=C(F)C(C(F)(F)F)=C2)C=C1)CC3=CC=C(C4=NC5=NC=CC=C5C=C4)C=C3Formula C₃₁H₂₃F₄N₃O M.Wt 529.53

Solubility Soluble in DMSO 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**

HGPR91 antagonist 1 is a potent and selective small molecule hGPR91 antagonist with an IC₅₀ of 7 μM[1]. IC₅₀: 7 μM (HGPR91)[1]

HGPR91 antagonist 1 leads to 59, 76% inhibition of δMAP at 2, 4 hours and has shown rat plasma protein binding 99%. HGPR91 antagonist 1 has engaged the target under the in vivo condition. HGPR91 antagonist 1 has clearance (CL) of 0.2 nmol/min/mg of RLM[1]. Animal Model: Wistar rats[1]

[1]. Bhuniya D, et al. Discovery of a potent and selective small molecule hGPR91 antagonist. Bioorg Med Chem Lett. 2011 Jun 15;21(12):3596-602.

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

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