

YL-365

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	YL-365 is a highly potent and selective GPR34 antagonist that exhibits excellent activity in neuropathic pain models for the study of neurologic diseases.
Targets(IC50)	Others,GPCR,LPL Receptor
In vivo	Acute toxicity experiments on C57BL/6J mice showed that no mice died after i.p. (intraperitoneally) (200 mg/kg) treatment with YL-365. In a repeated dose toxicity study, following 14 consecutive days i.p. administration of YL-365 twice per day at the dose of 100 mg/kg, mice did not show noticeable change in body weight or any damage in diverse organs. Considering that GPR34 is also expressed in hematological system, the blood cell counts and other blood parameters were examined, and YL-365 did not show any effects on these blood parameters. All these results indicated low toxicity of YL-365 to mice. [1]

Reference

Xia A, et al. Cryo-EM structures of human GPR34 enable the identification of selective antagonists. Proc Natl Acad Sci U S A. 2023 Sep 26;120(39):e2308435120.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481