

Product Datasheet

Naveglitazar racemate

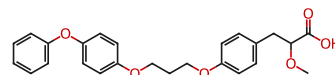
Catalog No. **BP-02215** · CAS **916085-47-7** · Form **free base** · Physical state **solid** · Color **off-white to yellow** · Version **1.0** · Revision **2026-09-07**

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target PPAR	Research area Metabolic Disease
-----------------------	---

Molecular formula	C₂₅H₂₆O₆
Molecular weight	422.4703

STRUCTURE



DESCRIPTION

Naveglitazar racemate (LY519818 racemate) is the racemate of Naveglitazar. Naveglitazar is a nonthiazolidinedione peroxisome proliferator-activated receptor (PPAR) α-γ dual, γ-dominant agonist that has shown glucose-lowering potential in animal models[1].

BIOLOGICAL ACTIVITY

In Vitro

Naveglitazar, a non-thiazolidinediones (TZD), functions as a potent and efficacious insulin sensitizer in rodents, possessing a novel profile that may result in an improved therapeutic agent for the treatment of type 2 diabetes and associated dyslipidemia. The extent of in vitro binding of [3H]Naveglitazar to plasma proteins is evaluated by ultracentrifugation in mouse, rat, and monkey plasma. The mean percentages±S.E.M. of protein binding of radioactivity in plasma over the concentration range of 0.1 to 1000 ng/ml after in vitro incubation at 37°C for 60 min are 99.5%±0.1% (mice), 99.6%±0.1% (rat), and 99.6%±0.3% (monkey). These results show that Naveglitazar is highly bound to plasma proteins among the species examined, and binding is independent of concentration.

In Vivo

[14C]Naveglitazar is quickly absorbed and moderately metabolized before elimination. After oral administration, 47, 31, and 62% of the radioactivity, as assessed by AUC values, are circulating as metabolites in mice, rats, and monkeys, respectively. Half-lives for Naveglitazar and radioactivity are similar within each species; however, monkeys have substantially longer half-lives in comparison to mice and rats. Naveglitazar and radioactivity are slowly cleared from the system circulation in all species evaluated.

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Yi P, et al. The disposition and metabolism of naveglitazar, a peroxisome proliferator-activated receptor alpha-gamma dual, gamma-dominant agonist in mice, rats, and monkeys. Drug Metab Dispos. 2007 Jan;35(1):51-61.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

BiochemProbe is the catalog brand of Guangzhou Yuyuan Biotech Co., Ltd. · For research use only.

Lot CoA and SDS are separate documents.