

Product Datasheet

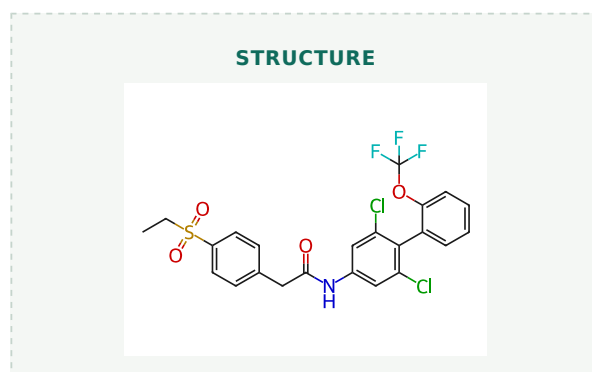
GSK805

Catalog No. **BP-02142** · CAS **1426802-50-7** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-03**

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

Target ROR	Research area Inflammation/Immunology
----------------------	---

Molecular formula	C₂₃H₁₈Cl₂F₃NO₄S
Molecular weight	532.3600



DESCRIPTION

GSK805 is an orally active and CNS penetrant ROR γ t inhibitor. GSK805 inhibits ROR γ and Th17 cells differentiation with pIC₅₀ values of 8.4 and >8.2. GSK805 inhibits the function of Th17 cells. GSK805 can be used for the research of immunity .

BIOLOGICAL ACTIVITY

In Vitro

GSK805 (0.5 μ M; 4 d) inhibits Th17 cell responses.

In Vivo

GSK805 (10 mg/kg; p.o. once per day for 35 days) improves the situation of mice with experimental autoimmune encephalomyelitis (EAE).

GSK805 (30 mg/kg) inhibits Th17 cell responses in EAE mice.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Wang Y, et al. Discovery of Biaryl Amides as Potent, Orally Bioavailable, and CNS Penetrant ROR γ t Inhibitors. ACS Med Chem Lett. 2015 May 26;6(7):787-792.
- [2]. Xiao S, et al. Small-molecule ROR γ t antagonists inhibit T helper 17 cell transcriptional network by divergent mechanisms. Immunity. 2014 Apr 17;40(4):477-89.

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.