

Product Datasheet

EG01377

Catalog No. **BP-02373** · CAS **2227996-00-9** · Form **free base** · Physical state **other** · Color **White to off-white** · Version **1.0** · Revision **2026-09-11**

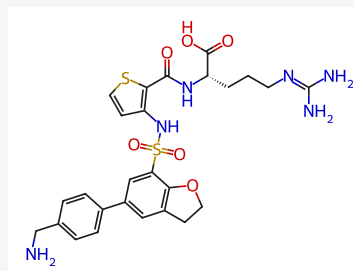
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Target Complement System	Research area Cancer
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Molecular formula **C₂₆H₃₀N₆O₆S₂**

Molecular weight **586.6830**

STRUCTURE



DESCRIPTION

EG01377 is a potent, bioavailable and selective inhibitor of neuropilin-1 (NRP1), with a K_d of 1.32 μM, and IC₅₀s of both 609 nM for NRP1-a1 and NRP1-b1. EG01377 has antiangiogenic, antimigratory, and antitumor effects.

BIOLOGICAL ACTIVITY

In Vivo

EG01377 (2 mg/kg; i.v.) exhibits an encouraging half-life of 4.29 h, sufficient to sustain once per day dosing in mice

SOLUBILITY

Soluble in DMSO

In vitro

DMSO : 5 mg/mL

REFERENCES

[1]. Powell J, et al. Small Molecule Neuropilin-1 Antagonists Combine Antiangiogenic and Antitumor Activity with Immune Modulation through Reduction of Transforming Growth Factor Beta (TGFβ) Production in Regulatory T-Cells. J Med Chem. 2018 May 10;61(9):4135-

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