

## Product Datasheet

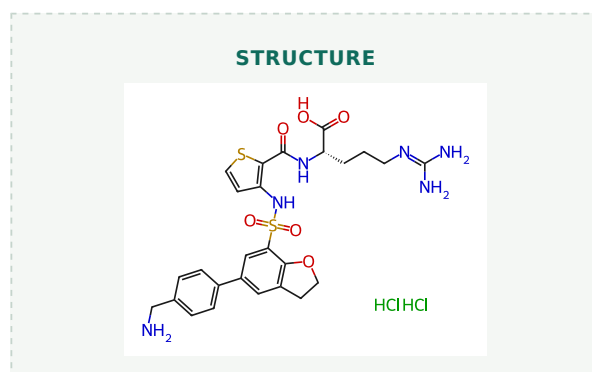
# EG01377 2HCl

Catalog No. **BP-02373A** · CAS **2749438-61-5** · Form **other** · Physical state **other** · Color **white to off-white** · Version **1.0** · Revision **2026-09-11**

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

|                                    |                                |
|------------------------------------|--------------------------------|
| Target<br><b>Complement System</b> | Research area<br><b>Cancer</b> |
|------------------------------------|--------------------------------|

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| Molecular formula | <b>C<sub>26</sub>H<sub>32</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>6</sub>S<sub>2</sub></b> |
| Molecular weight  | <b>659.6050</b>                                                                          |



## DESCRIPTION

EG01377 dihydrochloride is a potent, bioavailable and selective inhibitor of neuropilin-1 (NRP1), with a K<sub>d</sub> of 1.32 μM, and IC<sub>50</sub>s of 609 nM for both NRP1-a1 and NRP1-b1. EG01377 dihydrochloride 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 : 200 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):4135-4154.