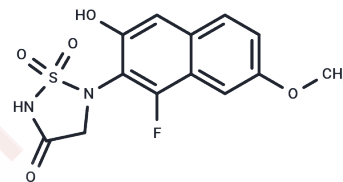


Tegeprotafib

Chemical Properties

CAS No. :	2407610-46-0
Formula:	C ₁₃ H ₁₁ FN ₂ O ₅ S
Molecular Weight:	326.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tegeprotafib (PTPN2/1-IN-1) is an orally active and potent PTPN1/2 inhibitor with potential anticancer and antitumor activity for the study of cancer and immune system diseases.
Targets(IC50)	Phosphatase
In vitro	Tegeprotafib, treated for 5 days, was able to inhibit IFN γ (0.5 ng/mL)-induced proliferation of B16F10 cells, achieving 60-90% inhibition at a concentration of 33 μ M. [1]
In vivo	300 mg/kg Tegeprotafib administered orally twice daily for 21 days showed anti-tumor effects in mice. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (245.17 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0647 mL	15.3233 mL	30.6466 mL
5 mM	0.6129 mL	3.0647 mL	6.1293 mL
10 mM	0.3065 mL	1.5323 mL	3.0647 mL
50 mM	0.0613 mL	0.3065 mL	0.6129 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Elliot FARNEY, et al. Protein tyrosine phosphatase inhibitors and methods of use thereof. Patent WO2019246513A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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