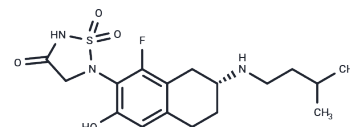


Osunprotafib

Chemical Properties

CAS No. :	2489404-97-7
Formula:	C17H24FN3O4S
Molecular Weight:	385.45
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ABBV-CLS-484 (Osunprotafib) is a potent PTPN2 inhibitor with subnanomolar activity and antitumor activity that enhances T-cell anti-tumor immunity.ABBV-CLS-484 can be used for the treatment of neoplasms, esophageal cancer, and digestive disorders.
Targets(IC50)	Phosphatase
In vitro	ABBV-CLS-484 acts simultaneously on tumor cells and the host immune system, inducing unique transcriptional changes in myeloid and lymphocyte populations in the tumor microenvironment, enhancing the activation and effector functions of CD8+ T cells, while reducing T cell exhaustion and dysfunction. Expression of classical genes.[2]
In vivo	ABBV-CLS-484 promotes anti-tumor immunity as a single agent, and when combined with anti-PD-1, results in significant tumor regression, even in models that are resistant to anti-PD-1 treatment, such as 4T1 and EMT6.[3]

Solubility Information

Solubility	DMSO: 56.2 mg/mL (145.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5944 mL	12.9719 mL	25.9437 mL
5 mM	0.5189 mL	2.5944 mL	5.1887 mL
10 mM	0.2594 mL	1.2972 mL	2.5944 mL
50 mM	0.0519 mL	0.2594 mL	0.5189 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.

Reference

Philip R, et al. Protein tyrosine phosphatase inhibitors and methods of use thereof. WO2022056281A1.

Arvin Iracheta-Vellve, et al. Targeting the immune checkpoint PTPN2 with ABBV-CLS-484 inflames the tumor

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286

E_mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481