

OPN-9652

Chemical Properties

CAS No. : 2866423-35-8

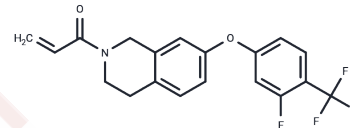
Formula: C₁₉H₁₅F₄NO₂

Molecular Weight: 365.32

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	OPN-9652 is a potent and orally active covalent TEAD inhibitor, with a half-maximal inhibitory concentration (IC ₅₀) of 0.005 μM against TEAD in MSTO-211H cells, and it targets the central palmitate-binding pocket of TEAD. OPN-9652 can significantly reduce the activity of TEAD-dependent reporter genes and downregulate the expression levels of TEAD target genes (CTGF and CYR61). Notably, OPN-9652 can reverse the resistance of SOX10 knockout (SOX10 KO) resistant cells to the combination of BRAF inhibitor (BRAFi) and MAPK inhibitor (MAPKi), restoring their sensitivity to the drugs. In the xenograft mouse model of BRAF-mutant A375 cells, OPN-9652 can effectively delay the development of tumor drug resistance; specifically, this effect is manifested by a significant delay in the onset of tumor drug resistance after the combination of BRAFi and MEK inhibitor (MEKi) starting from the minimal residual disease (MRD) stage. At present, OPN-9652 can be used as a research tool for scientific research related to melanoma.
Targets(IC ₅₀)	YAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7373 mL	13.6866 mL	27.3733 mL
5 mM	0.5475 mL	2.7373 mL	5.4747 mL
10 mM	0.2737 mL	1.3687 mL	2.7373 mL
50 mM	0.0547 mL	0.2737 mL	0.5475 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

Ott CA, et al. Targeting TAZ-TEAD in minimal residual disease enhances the duration of targeted therapy in melanoma models. Nat Commun. 2025 Nov 5;16(1):9655.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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