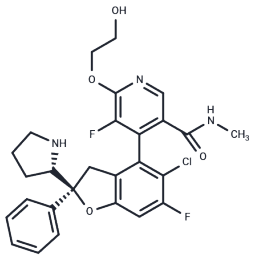
Data Sheet (Cat.No.T77725)

TargetMol

YAP-TEAD-IN-3

Chemical Properties



CAS No. : 2714434-21-4

Formula: C27H26ClF2N3O4

Molecular Weight: 529.96

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	YAP-TEAD-IN-3 (IAG933) belongs to small molecule inhibitors and is a TEAD-targeted YAP/TAZ-TEAD protein-protein interaction inhibitor (IC50 = 9 nM) with oral activity and selective inhibitory capability against all four TEAD isoforms. This compound is used in antitumor and pro-apoptosis research.
Targets(IC50)	YAP
In vitro	**Methods**: Cells were treated with YAP-TEAD-IN-3 (IAG933) (0-1 μM) for 4 hours to detect the interaction between YAP/TAZ and TEAD isoforms and TEAD-driven transcriptional activity; MSTO211H and NCI-H226 cells were treated with YAP-TEAD-IN-3 (IAG933) (0.0001-10 μM) for 24 hours to detect TEAD target gene expression; Hippo-dependent mesothelioma cells were treated with YAP-TEAD-IN-3 (IAG933) (0.001-10 μM) for 72 hours to detect anti-proliferative activity. **Results**: YAP-TEAD-IN-3 (IAG933) directly inhibited the interaction between YAP/TAZ and all four TEAD isoforms, selectively suppressing TEAD transcriptional activity; YAP-TEAD-IN-3 (IAG933) dose-dependently inhibited TEAD target gene expression with IC50 values of 11-26 nM; YAP-TEAD-IN-3 (IAG933) demonstrated potent anti-proliferative activity in mesothelioma cells with GI50 of 13-91 nM.[1]

Solubility Information

Solubility	DMSO: 120 mg/mL (226.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8869 mL	9.4347 mL	18.8693 mL
5 mM	0.3774 mL	1.8869 mL	3.7739 mL
10 mM	0.1887 mL	0.9435 mL	1.8869 mL
50 mM	0.0377 mL	0.1887 mL	0.3774 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

Emilie A Chapeau， et al. Direct and selective pharmacological disruption of the YAP-TEAD interface by IAG933 inhibits Hippo-dependent and RAS-MAPK-altered cancers. Nat Cancer. 2024 Jul;5(7):1102-1120.