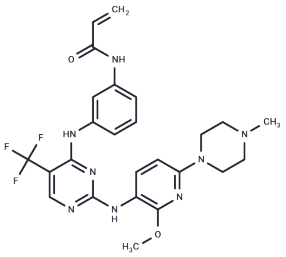
Data Sheet (Cat.No.T200087)

TargetMol

ES-072

Chemical Properties



CAS No. : 2089721-94-6

Formula: C25H27F3N8O2

Molecular Weight: 528.53

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	ES-072, a selective inhibitor targeting the EGFR mutant (EGFR-T790M), is administered orally. By hindering EGFR-T790M activity, it activates GSK3α, which subsequently leads to the phosphorylation of PD-L1 at Ser279 and Ser283. This phosphorylation facilitates the recruitment of the E3 ubiquitin ligase ARIH1, resulting in the ubiquitination and proteasomal degradation of PD-L1. Such a process not only curtails the growth of cancer cells but also amplifies the anti-tumor immune response by diminishing PD-L1 levels. ES-072 has shown efficacy in impeding the proliferation of non-small cell lung cancer (NSCLC) cells.
Targets(IC50)	EGFR,PD-1/PD-L1,GSK-3

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.892 mL	9.4602 mL	18.9204 mL
5 mM	0.3784 mL	1.892 mL	3.7841 mL
10 mM	0.1892 mL	0.946 mL	1.892 mL
50 mM	0.0378 mL	0.1892 mL	0.3784 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.

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