

ADT-1004

Chemical Properties

CAS No. : 1945941-72-9

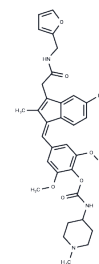
Formula: C33H36FN3O6

Molecular Weight: 589.65

Store at low temperature, Keep away from moisture

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	ADT-1004 is a potent inhibitor of the RAS signaling pathway. This product blocks key oncogenic signaling cascades, such as MAPK/ERK and PI3K/AKT, by interfering with the activation of RAS proteins (including K-RAS, H-RAS, and N-RAS) and their interactions with downstream effectors. ADT-1004 exhibits high inhibitory activity against various cancer cell lines harboring RAS mutations, effectively inducing cell cycle arrest and triggering apoptosis, thereby suppressing tumor cell proliferation and survival.
Targets(IC50)	Ras

Solubility Information

Solubility	DMSO: 3 mg/mL (5.09 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	1.6959 mL	8.4796 mL	16.9592 mL
5 mM	0.3392 mL	1.6959 mL	3.3918 mL
10 mM	0.1696 mL	0.848 mL	1.6959 mL
50 mM	0.0339 mL	0.1696 mL	0.3392 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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