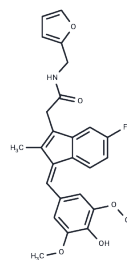


ADT-007

Chemical Properties

CAS No. : 1945941-09-2
 Formula: C₂₆H₂₄FN₅
 Molecular Weight: 449.47
 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-007 is an orally active and selective pan-RAS inhibitor with potent anticancer activity. ADT-007 blocks GTP activation of RAS and MAPK/AKT signaling by binding to anucleotide RAS. ADT-007 is used in the study of gastrointestinal cancers.
Targets(IC50)	Ras
In vivo	In 6-8-week-old BALB/C mice injected with colorectal cancer cells, ADT-007 (10 mg/kg; intra-tumoral injection; once a day; for 17-21 days) can strongly inhibit tumor growth[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2248 mL	11.1242 mL	22.2484 mL
5 mM	0.445 mL	2.2248 mL	4.4497 mL
10 mM	0.2225 mL	1.1124 mL	2.2248 mL
50 mM	0.0445 mL	0.2225 mL	0.445 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

Jeremy B Foote, et al. A Novel Pan-RAS Inhibitor with a Unique Mechanism of Action Blocks Tumor Growth in Mouse Models of GI Cancer. bioRxiv[Preprint]. 2024 Jan 24:2023.05.17.541233.

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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