

AZD0095

Chemical Properties

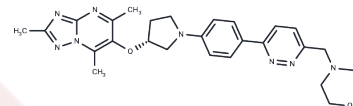
CAS No. : 2750001-23-9

Formula: C₂₇H₃₂N₈O₂

Molecular Weight: 500.6

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	AZD0095 is a selective inhibitor of MCT4 with an IC ₅₀ of 1.3 nM.
Targets(IC ₅₀)	Monocarboxylate transporter
In vitro	AZD0095 (0-50 μM) inhibits the proliferation of NCI-H358 cells with an IC ₅₀ of 26 nM[1].
In vivo	Oral administration of AZD0095 (100 mg/kg) and Cediranib inhibit the growth of tumors in NCI-H358 xenograft in mice[1].

Solubility Information

Solubility	DMSO: 6.2 mg/mL (12.39 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	1.9976 mL	9.988 mL	19.976 mL
5 mM	0.3995 mL	1.9976 mL	3.9952 mL
10 mM	0.1998 mL	0.9988 mL	1.9976 mL
50 mM	0.040 mL	0.1998 mL	0.3995 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

Goldberg FW, et al. Discovery of Clinical Candidate AZD0095, a Selective Inhibitor of Monocarboxylate Transporter 4 (MCT4) for Oncology. J Med Chem. 2022 Dec 16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481