

DS44960156

## Chemical Properties

CAS No. : 2361327-08-2

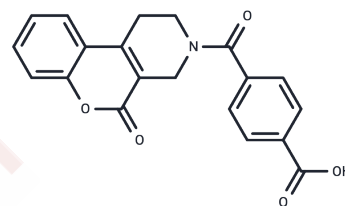
Formula: C<sub>20</sub>H<sub>15</sub>NO<sub>5</sub>

Molecular Weight: 349.34

Store at low temperature

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	DS44960156 is a novel selective inhibitor of methylenetetrahydrofolate dehydrogenase 2 (MTHFD2) that inhibits both MTHFD2 and MTHFD1 and can be used in cancer research.
Targets(IC50)	Dehydrogenase,DHFR

## Solubility Information

Solubility	Methanol: soluble DMSO: soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8625 mL	14.3127 mL	28.6254 mL
5 mM	0.5725 mL	2.8625 mL	5.7251 mL
10 mM	0.2863 mL	1.4313 mL	2.8625 mL
50 mM	0.0573 mL	0.2863 mL	0.5725 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

Junya Kawai, et al. Structure-Based Design and Synthesis of an Isozyme-Selective MTHFD2 Inhibitor with a Tricyclic Coumarin Scaffold. ACS Med Chem Lett. 2019 May 24;10(6):893-898.

**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