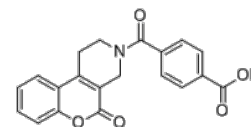


Product Name : DS44960156
Cat. No. : PC-73015
CAS No. : 2361327-08-2
Molecular Formula : C₂₀H₁₅NO₅
Molecular Weight : 349.3
Target : Antifolate
Solubility : 10 mM in DMSO



Biological Activity

DS44960156 (DS 44960156) is a isozyme-selective **MTHFD2** inhibitor with IC₅₀ of 1.6 μM, without inhibitory effect against MTHFD1 (IC₅₀>30 μM).

Methylenetetrahydrofolate dehydrogenase 2 (MTHFD2) is a human mitochondrial enzyme that is known to play a key role in purine and thymidine syntheses by generating one-carbon (1C) units from serine.

MTHFD2 mRNA and protein are significantly increased in various types of tumors and that patients with high levels of MTHFD2 show a poor prognosis.

References

Kawai J, et al. *ACS Med Chem Lett.* 2019 May 24;10(6):893-898.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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