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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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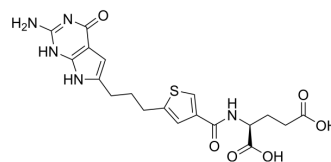
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Antifolate C2

Cat. No.:	HY-126830
CAS No.:	1286279-90-0
Molecular Formula:	C ₁₉ H ₂₁ N ₅ O ₆ S
Molecular Weight:	447.46
Target:	Antifolate; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antifolate C2 is an anti-folate compound that has inhibitory effects on the proliferation of non-squamous non-small cell lung cancer (NS-NSCLC). Antifolate C2 achieves tumor selectivity by targeting proton-coupled folate transporter (PCFT), which is more selective to PCFT than the commonly used anti-folate drug Pemetrexed (HY-10820). Antifolate C2 blocks the biosynthesis of deoxypurine nucleotides by inhibiting glycinamide ribonucleotide formyltransferase (GARFTase), ultimately inhibiting the proliferation of tumor cells. Antifolate C2 can be used in studies of NS-NSCLC, especially in patients who do not respond well to Pemetrexed^[1].

REFERENCES

[1]. Wilson M R, et al. Targeting nonsquamous nonsmall cell lung cancer via the proton-coupled folate transporter with 6-substituted pyrrolo [2, 3-d] pyrimidine thienoyl antifolates[J]. Molecular pharmacology, 2016, 89(4): 425-434.

Caution: Product has not been fully validated for medical applications. For research use only.

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