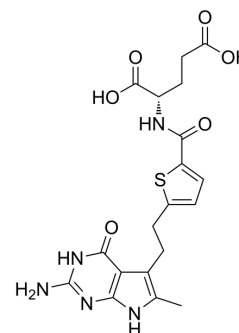


Antitumor agent-99

Cat. No.:	HY-157217
Molecular Formula:	C ₁₉ H ₂₁ N ₅ O ₆ S
Molecular Weight:	447.46
Target:	Antifolate
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-99 (compound 7) is an anticancer agent targeting FR α / β and PCFT. Antitumor agent-99 inhibits R2/PCFT4 (PCFT), RT16(FR α), and D4(FR β) cells with IC ₅₀ s of 51.46 nM, 2.53 nM, and 2.98 nM, respectively ^[1] .
IC ₅₀ & Target	Folate receptor (FR) α , FR β , Proton-coupled folate transporter (PCFT) ^[1]

REFERENCES

[1]. Kaku K et al. Discovery of Tumor-Targeted 6-Methyl Substituted Pemetrexed and Related Antifolates with Selective Loss of RFC Transport[J]. ACS Medicinal Chemistry Letters, 2023.

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

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