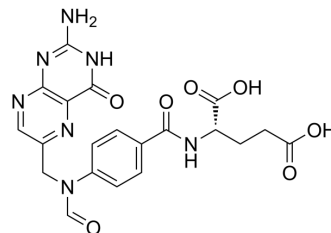


10-Formylfolic acid

Cat. No.:	HY-124350
CAS No.:	134-05-4
Molecular Formula:	C ₂₀ H ₁₉ N ₇ O ₇
Molecular Weight:	469.41
Target:	Antifolate; Dihydrofolate reductase (DHFR)
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	10-Formylfolic acid is a potent inhibitor of dihydrofolate reductase. 10-Formylfolic acid be used as an early indicator of leukemia ^{[1][2]} .
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REFERENCES

[1]. M D'Urso-Scott, et al. Formation of 10-Formylfolic Acid, a Potent Inhibitor of Dihydrofolate Reductase, in Rat Liver Slices Incubated with Folic Acid. Proc Natl Acad Sci U S A. 1974 Jul;71(7):2736-9.

[2]. J E Baggott, et al. 10-Formyl-dihydrofolic acid is bioactive in human leukemia cells. J Nutr. 1999 Jul;129(7):1315-8.

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

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