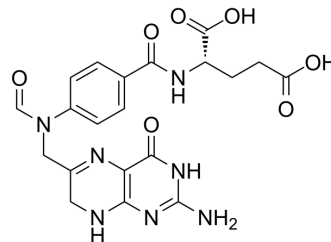


10-Formyl-7,8-dihydrofolic acid

Cat. No.:	HY-137129
CAS No.:	28459-40-7
Molecular Formula:	C ₂₀ H ₂₁ N ₇ O ₇
Molecular Weight:	471.42
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	10-Formyl-7,8-dihydrofolic acid is a substrate for mammalian aminoimidazolecarboxamide ribotide transformylase (EC 2.1.2.3). 10-Formyl-7,8-dihydrofolic acid also is a metabolite of 10-HCO-H4folate ^{[1][2]} .
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REFERENCES

- [1]. Baggott JE, et al. Iron compounds catalyze the oxidation of 10-formyl-5,6,7,8 tetrahydrofolic acid to 10-formyl-7,8 dihydrofolic acid. *J Inorg Biochem.* 1998 Sep;71(3-4):181-7.
- [2]. Baggott JE, et al. Metabolism of 10-formyldihydrofolate in humans. *Biomed Pharmacother.* 2001 Oct;55(8):454-7.

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

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