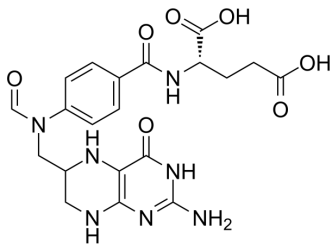
10-Formyltetrahydrofolic acid

Cat. No.:	HY-112169
CAS No.:	2800-34-2
Molecular Formula:	$C_{20}H_{23}N_7O_7$
Molecular Weight:	473.44
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-Formyltetrahydrofolic acid is a form of tetrahydrofolic acid that acts as a donor of formyl groups in anabolism. 10-Formyltetrahydrofolic acid can be used as a substrate for formyltransferase reactions and is involved in the biosynthesis of purines[1].
In Vivo	10-Formyltetrahydrofolic acid in the liver of male Sprague-Dawley rats increases significantly after 30 and 60 minutes by administration of 1.3 mmol/kg methionine[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Donald W Horne, et al. Neither methionine nor nitrous oxide inactivation of methionine synthase affect the concentration of 5,10-methylenetetrahydrofolate in rat liver. J Nutr. 2003 Feb;133(2):476-8.

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