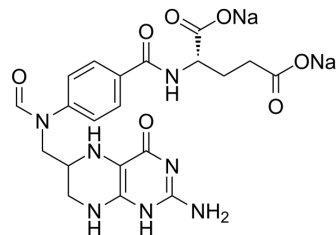


10-Formyltetrahydrofolic acid disodium

Cat. No.:	HY-112169A
CAS No.:	914800-65-0
Molecular Formula:	C ₂₀ H ₂₁ N ₇ Na ₂ O ₇
Molecular Weight:	517.4
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 disodium is a form of tetrahydrofolic acid that acts as a donor of formyl groups in anabolism. 10-Formyltetrahydrofolic acid disodium can be used as a substrate for formyltransferase reactions and is involved in the biosynthesis of purines ^[1] .
In Vivo	10-Formyltetrahydrofolic acid disodium 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.

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

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