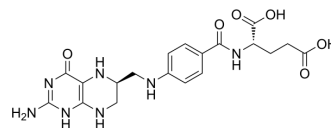


(6S)-Tetrahydrofolic acid

Cat. No.:	HY-14520A
CAS No.:	71963-69-4
Molecular Formula:	C ₁₉ H ₂₃ N ₇ O ₆
Molecular Weight:	445.43
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(6S)-Tetrahydrofolic acid is 1000-fold more active than the (6R) form at promoting the binding of fluorodeoxyuridylate to thymidylate synthase and 600-fold more active as a growth factor of <i>P. cerevisiae</i> . (6S)-Tetrahydrofolic acid also has a low affinity and high dissociation rate for folate-binding protein ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Steven W. Bailey, et al. Synthesis of Tetrahydropteridine C6-Stereoisomers, Including N6-Formyl-(6R)-tetrahydrofolic Acid. *The Journal of Organic Chemistry*, 57(16), 4470-4477.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA