

Cystathionine β -synthase

Cat. No.:	HY-E70078
CAS No.:	9023-99-8
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Cystathionine β -synthase

BIOLOGICAL ACTIVITY

Description	Cystathionine β -synthase is an enzyme that catalyzes the condensation of serine and homocysteine to water and cystathionine. Cystathionine β -synthase is a prominent enzyme for the production of hydrogen sulfide (H ₂ S) ^[1] .
In Vitro	Cystathionine β -synthase from <i>T. gondii</i> (1.5 μ M; 2 h) catalyzes 1 mM L-Ser and 0.8 mM L-Hcys, and the optimum activity is around pH 9 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Conter C, et al. Cystathionine β -synthase is involved in cysteine biosynthesis and H₂S generation in *Toxoplasma gondii*. *Sci Rep.* 2020 Sep 4;10(1):14657.

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

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