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Zuschläge

- Mindermengenzuschlag
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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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.

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