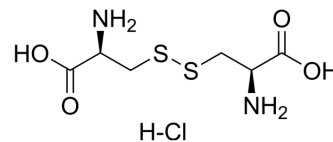


L-Cystine hydrochloride

Cat. No.:	HY-W009356A
CAS No.:	438633-05-7
Molecular Formula:	C ₆ H ₁₃ ClN ₂ O ₄ S ₂
Molecular Weight:	276.76
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

L-Cystine hydrochloride is an amino acid. L-Cystine is converted to L-Cysteine in the body. Moreover, L-Cystine/L-Cysteine conversion system is a channel on the cell membrane, which can maintain the internal REDOX homeostasis of *E. coli*^[1].

REFERENCES

[1]. Ohtsu I, et al. The L-cysteine/L-cystine shuttle system provides reducing equivalents to the periplasm in *Escherichia coli*. *J Biol Chem*. 2010 Jun 4;285(23):17479-87.

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

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