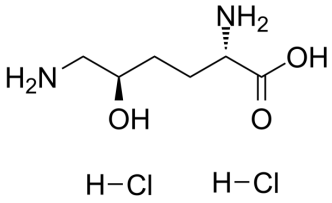
L-hydroxylysine dihydrochloride

Cat. No.:	HY-113025A
CAS No.:	172213-74-0
Molecular Formula:	$C_6H_{16}Cl_2N_2O_3$
Molecular Weight:	235.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	L-hydroxylysine dihydrochloride ((2S,5R)-5-Hydroxylysine dihydrochloride), an amino acid, is exclusive to collagen protein, which is formed by posttranslational hydroxylation of some lysine residues[1].
In Vitro	L-hydroxylysine dihydrochloride ((2S,5R)-5-Hydroxylysine dihydrochloride), an amino acid found in collagen, is first identified by Van Slyke and Hiller in protein hydrosylates[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pietro Allevi, et al. A practical and simple synthesis of (2S,5R)- and (2S,5S)- 5-hydroxylysine and of a related a-amino acid required for the synthesis of the collagen cross-link pyridinoline. Tetrahedron: Asymmetry 15 (2004) 2091–2096.

[2]. Birgit Löhr, et al. A Strategy Towards the Stereoselective Synthesis of 5-Hydroxylysine. Synlett 1999; 1999(7): 1139-1141.

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