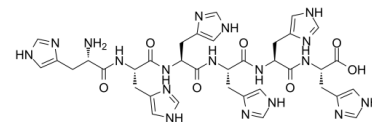


Data Sheet

Product Name:	Hexa-His
Cat. No.:	CS-7043
CAS No.:	64134-30-1
Molecular Formula:	C ₃₆ H ₄₄ N ₁₈ O ₇
Molecular Weight:	840.85
Target:	Others
Pathway:	Others
Solubility:	H ₂ O : 50 mg/mL (59.46 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Hexa-His is a peptide consisting of 6 His residues, used as a metal binding site for the recombinant protein. Sequence: His-His-His-His-His-His.

References:

[1]. Watly J, et al. Insight into the coordination and the binding sites of Cu(2+) by the histidyl-6-tag using experimental and computational tools. Inorg Chem. 2014 Jul 7;53(13):6675-83.

CAIndexNames:

L-Histidine, L-histidyl-L-histidyl-L-histidyl-L-histidyl-L-histidyl-

SMILES:

O=C(O)[C@H](CC1=CNC=N1)NC([C@H](CC2=CNC=N2)NC([C@H](CC3=CNC=N3)NC([C@H](CC4=CNC=N4)NC([C@H](CC5=CNC=N5)NC([C@H](CC6=CN=C=N6)N)=O)=O)=O)=O)=O

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

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