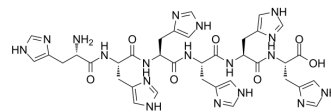


Hexa-His

Cat. No.:	HY-P0294
CAS No.:	64134-30-1
Molecular Formula:	C ₃₆ H ₄₄ N ₁₈ O ₇
Molecular Weight:	840.85
Sequence:	His-His-His-His-His-His
Sequence Shortening:	HHHHHH
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (59.46 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.1893 mL	5.9464 mL	11.8927 mL
			5 mM	0.2379 mL	1.1893 mL	2.3785 mL
			10 mM	0.1189 mL	0.5946 mL	1.1893 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (118.93 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

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

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

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