

Chlorotoxin(linear)

Cat. No.:	HY-P0173
Molecular Formula:	C ₁₅₈ H ₂₅₆ N ₅₂ O ₄₈ S ₁₁
Molecular Weight:	4004.76
Sequence:	Met-Cys-Met-Pro-Cys-Phe-Thr-Thr-Asp-His-Gln-Met-Ala-Arg-Lys-Cys-Asp-Asp-Cys-Cys-Gly-Gly-Lys-Gly-Arg-Gly-Lys-Cys-Tyr-Gly-Pro-Gln-Cys-Leu-Cys-Arg-NH ₂ <small>MCMPCFTTDHHQMARKCDDCCGGKGRGKCYGPQCLCR-NH₂</small>
Sequence Shortening:	MCMPCFTTDHHQMARKCDDCCGGKGRGKCYGPQCLCR-NH ₂
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

DMSO : 100 mg/mL (24.97 mM; Need ultrasonic)
 H₂O : ≥ 100 mg/mL (24.97 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.2497 mL	1.2485 mL	2.4970 mL
	5 mM	0.0499 mL	0.2497 mL	0.4994 mL
	10 mM	0.0250 mL	0.1249 mL	0.2497 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (24.97 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 3.25 mg/mL (0.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 3.25 mg/mL (0.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.25 mg/mL (0.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Chlorotoxin(linear) is a linear 36 amino-acid peptide which can be used in Chlorotoxin related research.

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

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