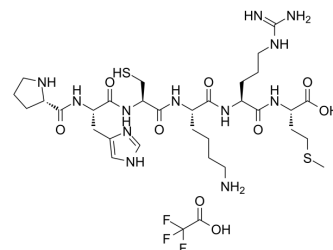


Antioxidant peptide A TFA

Cat. No.:	HY-P1512A
Molecular Formula:	C ₃₃ H ₅₅ F ₃ N ₁₂ O ₉ S ₂
Molecular Weight:	884.99
Sequence:	Pro-His-Cys-Lys-Arg-Met
Sequence Shortening:	PHCKRM
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 (113.00 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1300 mL	5.6498 mL	11.2996 mL
	5 mM	0.2260 mL	1.1300 mL	2.2599 mL
	10 mM	0.1130 mL	0.5650 mL	1.1300 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (2.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (2.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (2.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Antioxidant peptide A TFA is a short peptide, which contains alternative aromatic or sulfur-containing amino acid. The side chains of Antioxidant peptide A are believed to contribute to strong radical scavenging activities of peptides in the cancer cell^[1].

REFERENCES

[1]. Kalmodia S, et al. Bio-conjugation of antioxidant peptide on surface-modified gold nanoparticles: a novel approach to enhance the radical scavenging property in cancer cell. Cancer Nanotechnol. 2016;7:1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA