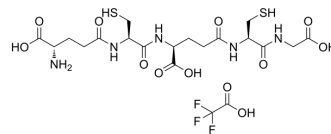


Phytochelatin 2 (PC2) (TFA)

Cat. No.:	HY-P2512A
CAS No.:	1426828-27-4
Molecular Formula:	C ₂₀ H ₃₀ F ₃ N ₅ O ₁₂ S ₂
Molecular Weight:	653.6
Sequence:	γGlu-Cys-γGlu-Cys-Gly (TFA salt)
Sequence Shortening:	(γE-C)2-G (TFA salt)
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



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

SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (153.00 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5300 mL	7.6499 mL	15.2999 mL
	5 mM	0.3060 mL	1.5300 mL	3.0600 mL
	10 mM	0.1530 mL	0.7650 mL	1.5300 mL

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

BIOLOGICAL ACTIVITY

Description

Phytochelatin 2 (PC2) TFA is a phytochelatin, an important heavy metal-binding peptide. Phytochelatin 2 (PC2) TFA can chelate metals, prevent metal toxicity, and maintain metal stability in the internal environment^[1].

REFERENCES

[1]. Dennis KK, et al. Phytochelatin database: a resource for phytochelatin complexes of nutritional and environmental metals. Database (Oxford). 2019;2019:baz083. [Content Brief]

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

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