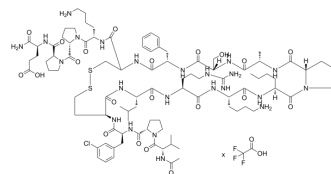


YAP-TEAD-IN-1 TFA

Cat. No.:	HY-P2244A
CAS No.:	1659305-79-9
Molecular Formula:	C ₉₅ H ₁₄₅ F ₃ ClN ₂₃ O ₂₃ S ₂
Molecular Weight:	2133.88
Sequence:	Ac-Val-Pro-{Phe(3-Cl)}-{Hcy}-Leu-Arg-Lys-{Nle}-Pro-Ala-Ser-Phe-Cys-Lys-Pro-Pro-Glu-NH ₂ (Disulfide bridge:Hcy4-Cys13)
Sequence Shortening:	Ac-VP-{Phe(3-Cl)}-{Hcy}-LRK-{Nle}-PASFCKPPE-NH ₂ (Disulfide bridge:Hcy4-Cys13)
Target:	YAP
Pathway:	Stem Cell/Wnt
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

H₂O : ≥ 50 mg/mL (23.43 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.4686 mL	2.3431 mL	4.6863 mL
	5 mM	0.0937 mL	0.4686 mL	0.9373 mL
	10 mM	0.0469 mL	0.2343 mL	0.4686 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 25 mg/mL (11.72 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

YAP-TEAD-IN-1 TFA is a potent and competitive peptide inhibitor of YAP-TEAD interaction (IC₅₀=25 nM). YAP-TEAD-IN-1 TFA is a 17mer peptide and shows a higher the binding affinity to TEAD1 (K_d=15 nM) than YAP (50-171) (K_d= 40 nM)^[1].

IC₅₀ & Target

IC₅₀: 25 nM (YAP-TEAD interaction)^[1]

In Vitro

YAP-TEAD-IN-1 (peptide 17)(2 μM) is against endogenous YAP binding to GST-TEAD(1209-426) in a GST pull-down assay, the K_d of His-YAP(1209-426) is determined to be 40 nM^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Death Dis. 2022 Jun 20;13(6):557.
- Clin Exp Dermatol. 2022 Aug 1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Zhang Z, et al. Structure-Based Design and Synthesis of Potent Cyclic Peptides Inhibiting the YAP-TEAD Protein-Protein Interaction. ACS Med Chem Lett. 2014 Jul 14;5(9):993-8.

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

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