

PTBP1-RNA-binding inhibitor P6 TFA

Cat. No.:	HY-P5960	
Molecular Formula:	$C_{73}H_{122}N_{22}O_{19} \cdot xC_2HF_3O_2$	
Sequence:	Ac-Asn-Gln-[S5]-Arg-Ala-Gln-[B5]-Ala-Leu-Gln-[R5]-Val-Asn-NH ₂	
Sequence Shortening:	Ac-NQ-[S5]-RAQ-[B5]-ALQ-[R5]-VN-NH ₂	Ac-NQ-[S ₅]-RAQ-[B ₅]-ALQ-[R ₅]-VN-NH ₂ (TFA)
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture and light	
	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)	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic) H ₂ O : ≥ 50 mg/mL * "≥" means soluble, but saturation unknown.
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BIOLOGICAL ACTIVITY

Description	PTBP1-RNA-binding inhibitor P6 (PTBP1 α3-helix derived peptide P6) TFA is a stapled peptide inhibitor of the splicing factor PTBP1, which inhibits alternative splicing events regulated by PTBP1. PTBP1 binds RNA through its RNA recognition motif ^[1] .
IC₅₀ & Target	PTBP1 ^[1]

REFERENCES

[1]. Schmeing S, et al. Rationally designed stapled peptides allosterically inhibit PTBP1-RNA-binding. Chem Sci. 2023 Jul 13;14(31):8269-8278.

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

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