

PKA RII peptide TFA

Cat. No.:	HY-P0228A		
Molecular Formula:	C ₉₄ H ₁₅₁ F ₃ N ₂₈ O ₃₁		
Molecular Weight:	2226.37		
Sequence:	Asp-Leu-Asp-Val-Pro-Ile-Pro-Gly-Arg-Phe-Asp-Arg-Arg-Val-Ser-Val-Ala-Ala-Glu	DLDVPIPGRFDRRVSAAE (TFA salt)	
Sequence Shortening:	DLDVPIPGRFDRRVSAAE		
Target:	PKA		
Pathway:	Stem Cell/Wnt; TGF-beta/Smad		
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 : 25 mg/mL (11.23 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.4492 mL	2.2458 mL	4.4916 mL
	5 mM		0.0898 mL	0.4492 mL	0.8983 mL
	10 mM		0.0449 mL	0.2246 mL	0.4492 mL

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

BIOLOGICAL ACTIVITY

Description

PKA RII peptide TFA is a PKA substrate that, after being phosphorylated at the serine residue, can be used for the detection of calcineurin activity^[1].

REFERENCES

[1]. Guillaume Mabileau, et al. Glucose-dependent insulintropic polypeptide (GIP) dose-dependently reduces osteoclast differentiation and resorption. Bone. 2016 Oct;91:102-12.

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

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