Calcineurin substrate TFA

Cat. No.: HY-P0228A

Molecular Formula: $C_{94}H_{151}F_3N_{28}O_{31}$

Molecular Weight: 2226.37

Sequence: Asp-Leu-Asp-Val-Pro-Ile-Pro-Gly-Arg-Phe-Asp-Arg-Arg-Val-Ser-Val-Ala-Ala-Glu

DLDVPIPGRFDRRVSVAAE (TFA salt)

Sequence Shortening: DLDVPIPGRFDRRVSVAAE

Target: Autophagy

Pathway: Autophagy

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

H_2O : 25 mg/mL (11.23 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	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

Calcineurin substrate (TFA) is a peptide from the regulatory RII subunit of cAMP-dependent protein kinase. Calcineurin substrate (TFA) can be used in the calcineurin activity assay[1].

REFERENCES

[1]. Crabtree GR, et al. Calcium, calcineurin, and the control of transcription. J Biol Chem. 2001 Jan 26;276(4):2313-6.

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

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