Sakamototide substrate peptide TFA

Cat. No.: HY-P1797A

Molecular Formula: $C_{71}H_{123}F_3N_{30}O_{25}$

Molecular Weight: 1853.92

Sequence: Ala-Leu-Asn-Arg-Thr-Ser-Ser-Asp-Ser-Ala-Leu-His-Arg-Arg-Arg

Sequence Shortening: ALNRTSSDSALHRRR

ALNRTSSDSALHRRR (TFA salt)

Target: Others

Pathway: Others

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 : 100 mg/mL (53.94 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.5394 mL	2.6970 mL	5.3940 mL
	5 mM	0.1079 mL	0.5394 mL	1.0788 mL
	10 mM	0.0539 mL	0.2697 mL	0.5394 mL

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

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 50 mg/mL (26.97 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Sakamototide substrate peptide TFA is a peptide substrate for members of the AMPK family of kinases, used in kinase activity assays[1][2].

REFERENCES

[1]. Banerjee S,et al. Characterization of WZ4003 and HTH-01-015 as selective inhibitors of the LKB1-tumour-suppressor-activated NUAK kinases. Biochem J. 2014 Jan 1;457(1):215-25.

[2]. Banerjee S, et al. Interplay between Polo kinase, LKB1-activated NUAK1 kinase, PP1βMYPT1 phosphatasecomplex and the SCFβTrCP E3 ubiquitin ligase. Biochem J.

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