PKI (14-24)amide TFA

Cat. No.: HY-P3929A

CAS No.: 1293946-39-0

Molecular Formula: $C_{51}H_{87}F_3N_{24}O_{17}$

Molecular Weight: 1365.38

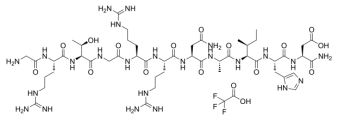
Sequence: Gly-Arg-Thr-Gly-Arg-Arg-Asn-Ala-Ile-His-Asp-NH2

Sequence Shortening: GRTGRRNAIHD-NH2

Target: PKA

Pathway: Stem Cell/Wnt

Storage: Sealed storage, away from moisture and light, under nitrogen
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, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (73.24 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.7324 mL	3.6620 mL	7.3240 mL
	5 mM	0.1465 mL	0.7324 mL	1.4648 mL
	10 mM	0.0732 mL	0.3662 mL	0.7324 mL

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

BIOLOGICAL ACTIVITY

Description

PKI (14-24)amide TFA is a potent PKA inhibitor. PKI (14-24)amide strongly inhibited cyclic AMP-dependent protein kinase activity in the cell homogenate[1][2].

In Vitro

PKI (14-24)amide TFA does not inhibit cyclic AMP-evoked amylase release from saponin-permeabilized cells[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nörenberg W, et al. Adenosine A2A receptors inhibit the conductance of NMDA receptor channels in rat neostriatal neurons. Amino Acids. 1998;14(1-3):33-9.

[2]. Takuma T. Evidence against direct involvement of cyclic AMP-dependent protein phosphorylation in the exocytosis of amylase. Biochem J. 1988 Dec 15;256(3):867-71.

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