PKI(5-22)amide

Cat. No.:	HY-P3785
CAS No.:	100853-58-5
Molecular Formula:	$C_{84}H_{137}N_{29}O_{26}$
Molecular Weight:	1969.17
Sequence Shortening:	TTYADFIASGRTGRRNAI-NH2
Target:	PKA
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	PKI(5-22)amide is the active inhibitory fragment of the inhibitor of the cyclic AMP-dependent protein kinase (PKA). PKI(5-22)amide inhibits PKA activation, but fails to attenuate homologous desensitization of CRF1 receptors[1][2].
In Vitro	PKI(5-22)amide (1 μM; 1 min) fails to block CRF1 receptor (100 nM; 30 min) desensitization in Y-79 cells permeabilized with Streptolysin O (HY-135416)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dautzenberg FM, et al. GRK3 mediates desensitization of CRF1 receptors: a potential mechanism regulating stress adaptation. Am J Physiol Regul Integr Comp Physiol. 2001 Apr;280(4):R935-46.

[2]. Reed J, et al. Conformational analysis of PKI(5-22)amide, the active inhibitory fragment of the inhibitor protein of the cyclic AMP-dependent protein kinase. Biochem J. 1989 Dec 1;264(2):371-80.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA