STE-MEK1(13)

Cat. No.:	HY-P5977
CAS No.:	566872-15-9
Molecular Formula:	$C_{86}H_{153}N_{19}O_{17}S$
Molecular Weight:	1757.32
Sequence:	{Ste}-Met-Pro-Lys-Lys-Lys-Pro-Thr-Pro-Ile-Gln-Leu-Asn-Pro-NH2
Sequence Shortening:	{Ste}-MPKKKPTPIQLNP-NH2
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	STE-MEK1(13) (Ste-MPKKKPTPIQLNP-NH?) is a cell permeable ERK1/2 inhibitor (IC_{50}: 13-30?μM). STE-MEK1(13) inhibits ERK1/2 phosphorylation[1][2].
IC_{50} & Target	13-30?μM (ERK1/2)[1]

REFERENCES

[1]. Li G, et al. A novel cellular survival factor--the B2 subunit of vacuolar H+-ATPase inhibits apoptosis. Cell Death Differ. 2006 Dec;13(12):2109-17.

[2]. Whiteman M, et al. Peroxynitrite-modified collagen-II induces p38/ERK and NF-kappaB-dependent synthesis of prostaglandin E2 and nitric oxide in chondrogenically differentiated mesenchymal progenitor cells. Osteoarthritis Cartilage. 2006 May;14(5):460-70.

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