

[Arg-15,20,21,Leu17]-PACAP-Gly-Lys-Arg-NH2

Cat. No.:	HY-P3875
CAS No.:	176785-25-4
Molecular Formula:	C ₁₅₇ H ₂₅₃ N ₅₃ O ₄₂
Molecular Weight:	3555.02
Sequence Shortening:	HSDGIFTDSYSRYRRQLAVRRYLA AVLGKR-NH2
Target:	PACAP Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	[Arg-15,-20,-21,Leu17]-PACAP-Gly-Lys-Arg-NH2 (BM-PACAP) is a synthetic PACAP 1-27 (HY-P0176) analogue with relaxant effect ^[1] .
In Vitro	[Arg-15,-20,-21,Leu17]-PACAP-Gly-Lys-Arg-NH2 (BM-PACAP) (0.1 μM; 0-5 h) causes longer acting smooth-muscle relaxation than does the original PACAP 1-27 in human bronchi in vitro ^[1] . [Arg-15,-20,-21,Leu17]-PACAP-Gly-Lys-Arg-NH2 (0.3-3 μM; 0-6 h) causes concentration-dependent relaxation with a very similar maximum relaxant effect and potency in the guinea-pig trachea ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Yoshihara S, et al. Long-lasting smooth-muscle relaxation by a novel PACAP analogue in human bronchi. Regul Pept. 2004 Dec 15;123(1-3):161-5.
- [2]. Yoshihara S, et al. Long lasting smooth muscle relaxation by a novel PACAP analogue in guinea-pig and primate airways in vitro. Br J Pharmacol. 1997 Aug;121(8):1730-4.

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

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