Ceratotoxin A

Cat. No.:	HY-P1581
CAS No.:	150671-04-8
Molecular Formula:	C ₁₃₅ H ₂₄₃ N ₃₅ O ₃₂
Molecular Weight:	2868.59 SIGSALKKALPVAKKIGKIALPIAKAALP
Sequence:	Ser-Ile-Gly-Ser-Ala-Leu-Lys-Lys-Ala-Leu-Pro-Val-Ala-Lys-Lys-Ile-Gly-Lys-Ile-Ala-Leu-Pr
	o-Ile-Ala-Lys-Ala-Ala-Leu-Pro
Sequence Shortening:	SIGSALKKALPVAKKIGKIALPIAKAALP
Target:	Bacterial
Pathway:	Anti-infection
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



Description	Ceratotoxin A, a 29-residue peptide isolated from the accessory gland secretion fluid, with strong anti-bacterial activity.	
IC ₅₀ & Target	Bacterial ^[1]	
In Vitro	Ceratotoxin A is a 29-residue peptide isolated from the accessory gland secretion fluid, shows anti-E.coli activity, and is heat stable ^[1] . Ceratotoxin A is effective against Escherichia coli ATCC 23739, Pseudomonas aeruginos ATCC 27853, and Bacillus subtilis ATCC 6633 with minimal inhibitory concentration (MIC) of 7, 7, and 3.5 μM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

Product Data Sheet

MedChemExpress

[1]. Marchini D, et al. Purification and primary structure of ceratotoxin A and B, two antibacterial peptides from the female reproductive accessory glands of the medfly Ceratitis capitata (Insecta:Diptera). Insect Biochem Mol Biol. 1993 Jul;23(5):591-8.

[2]. Marri L, et al. The novel antibacterial peptide ceratotoxin A alters permeability of the inner and outer membrane of Escherichia coli K-12. Curr Microbiol. 1996 Jul;33(1):40-3.

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