

PA22-2 free acid

Cat. No.:	HY-P2697
CAS No.:	123063-31-0
Molecular Formula:	C ₈₂ H ₁₄₉ N ₃₁ O ₂₆ S
Molecular Weight:	2017.32
Sequence:	Cys-Ser-Arg-Ala-Arg-Lys-Gln-Ala-Ala-Ser-Ile-Lys-Val-Ala-Val-Ser-Ala-Asp-Arg
Sequence Shortening:	CSRARKQAASIKVAVSADR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

PA22-2 (free acid) (Cys-Laminin A chain 2091-2108) is a peptide that supports neurite outgrowth and stimulates neuronal-like process formation. PA22-2 (free acid) can be used to culture human adenoid cystic carcinoma cells, and in the preparation of peptide-functionalized supported phospholipid bilayers^{[1][2][3]}.

REFERENCES

- [1]. Yung-Chih Kuo, et al. Inverted colloidal crystal scaffolds with induced pluripotent stem cells for nerve tissue engineering. *Colloids Surf B Biointerfaces*. 2013 Feb 1;102:789-94.
- [2]. Ahu Arslan Yildiz, et al. Cell-free synthesis of cytochrome bo(3) ubiquinol oxidase in artificial membranes. *Anal Biochem*. 2012 Apr 1;423(1):39-45.
- [3]. D Thid, et al. Supported phospholipid bilayers as a platform for neural progenitor cell culture. *J Biomed Mater Res A*. 2008 Mar 15;84(4):940-53.

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

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