

## RAD16-I hydrochloride

<b>Cat. No.:</b>	HY-P2632A	
<b>CAS No.:</b>	2100275-49-6	
<b>Molecular Formula:</b>	C <sub>66</sub> H <sub>113</sub> N <sub>29</sub> O <sub>25</sub> .XHCl	
<b>Sequence Shortening:</b>	Ac-RADARADARADARADA-NH <sub>2</sub>	
<b>Target:</b>	Others	Ac-RADARADARADARADA-NH <sub>2</sub> (HCl salt)
<b>Pathway:</b>	Others	
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

RAD16-I hydrochloride, a soft nanofibrous self-assembling peptide, is a suitable microenvironment for human mesenchymal stem cells' (hMSC) proliferation and differentiation into chondrocytes<sup>[1]</sup>. RAD16-I is a well-studied ionic complementary peptide was used as a model to check potential amyloid-like staining properties of SAPNFs<sup>[2]</sup>.

### REFERENCES

- [1]. Gerard Rubí-Sans, et al. Development of a Three-Dimensional Bioengineered Platform for Articular Cartilage Regeneration. *Biomolecules*. 2019 Dec 28;10(1):52.
- [2]. Yongzhu Chen, et al. Amyloid-like staining property of RADA16-I nanofibers and its potential application in detecting and imaging the nanomaterial. *Int J Nanomedicine*. 2018 Apr 23;13:2477-2489.

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

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