

RAD16-I hydrochloride

Cat. No.:	HY-P2632A	
CAS No.:	2100275-49-6	
Molecular Formula:	$C_{66}H_{113}N_{29}O_{25} \cdot xHCl$	
Sequence Shortening:	Ac-RADARADARADARADA-NH ₂	Ac-RADARADARADARADA-NH ₂ (HCl salt)
Target:	Others	
Pathway:	Others	
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)	

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 ^[1] . RAD16-I is a well-studied ionic complementary peptide was used as a model to check potential amyloid-like staining properties of SAPNFs ^[2] .
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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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