



LL-37 (human) trifluoroacetate salt

PRODUCT DATA SHEET

issue date 01/06/2020

Product Name:	LL-37 (human) trifluoroacetate salt
Product Number:	L046
CAS Number:	597562-32-8
Molecular Formula:	$C_{205}H_{340}N_{60}O_{53}$
Molecular Weight:	4493.32
Description:	LL-37 is a naturally-occurring antimicrobial peptide that is part of the innate host immune system. It is associated with the epidermis and protects the host from bacterial infection. LL-37 has also demonstrated a range of other bioactivity including anti-influenza, immunomodulatory, and cell death activity in certain cell types. Unlike other antimicrobial peptides, LL-37 can aggregate to protect from proteolytic degradation.
Mechanism of Action:	LL-37 assumes a primarily α -helical shape during membrane interactions allowing for membrane penetration, formation of transmembrane pores and bacterial lysis.
References:	Kahlenberg, J. M., & Kaplan, M. J. (2013). Little Peptide, Big Effects: The Role of LL-37 in Inflammation and Autoimmune Disease. <i>The Journal of Immunology</i> , 191(10), 4895-4901. doi:10.4049/jimmunol.1302005

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