

# Lactoferricin B, fragment 4-14 trifluoroacetate salt

## PRODUCT DATA SHEET

issue date 01/06/2020

<b>Product Name:</b>	Lactoferricin B, fragment 4-14 trifluoroacetate salt
<b>Product Number:</b>	L043
<b>CAS Number:</b>	N/A
<b>Molecular Formula:</b>	$C_{70}H_{113}N_{25}O_{13}S$
<b>Molecular Weight:</b>	1544.87
<b>Description:</b>	Lactoferricin B is a broad-spectrum antimicrobial peptide (AMP) that is generated by the enzymatic digestion of lactoferrin. Lactoferricin B is derived from bovine lactoferrin. Lactoferricin B has activity against gram-positive and gram-negative bacteria, yeasts and filamentous fungi. It has shown immunomodulatory activity and antitumor activity.
<b>Mechanism of Action:</b>	The mechanism of action of Lactoferricin B is not yet fully confirmed, however it has been shown to attack the bacterial membrane causing leakage of the cytoplasm.
<b>References:</b>	Moniruzzaman, M., Alam, J. M., Dohra, H., & Yamazaki, M. (2015). Antimicrobial peptide Lactoferricin b-induced rapid leakage of internal contents from single giant Unilamellar Vesicles. <i>Biochemistry</i> , 54(38), 5802–5814. doi:10.1021/acs.biochem.5b00594

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