Lasso Peptides: An Intriguing Class of Bacterial Natural Products

Julian D. Hegemann, Marcel Zimmermann, Xiulan Xie and Mohamed A. Marahiel*

Department of Chemistry, Biochemistry, Philipps-University Marburg, Hans-Meerwein-Strasse 4 and LOEWE-Center for Synthetic Microbiology, D-35032, Marburg, Germany.

*Corresponding author. E-mail: marahiel@staff.uni-marburg.de

Supporting Information

Table S1. Overview over the reported biological activities of lasso peptides.

lasso peptide	antagonist/inhibitor of	antimicrobial activity against	mode of antimicrobial activity
anantin	atrial natriuretic factor[1]	-	-
BI-32169	glucagon receptor[2]	-	-
capistruin	-	*Burkholderia caledonica*, *Pseudomonas aeruginosa*, *E. coli* 363[3]	inhibition of the Gram-negative RNA polymerase[4]
lariatin	-	*Mycobacterium smegmatis*, *Mycobacterium tuberculosis*[5]	-
lassomycin	-	*Mycobacterium smegmatis*, *Mycobacterium tuberculosis*, *Mycobacterium avium* subsp. *paratuberculosis*[6]	inhibition of ClpC1[6]
microcin J25	-	*E. coli* spp., *Salmonella* spp., *Shigella flexneri*[7]	inhibition of the Gram-negative RNA polymerase,[8-11] triggering of superoxide production[12-16]
propeptin	prolyl endopeptidase[17]	*Pseudomonas aeruginosa*, *Mycobacterium phlei*, *Xanthomonas oryzae*[17]	-
RES-701 type	endothelin type-B receptor[18,19]	-	-
siamycin type	HIV fusion and replication; calmodulin-activated myosin light chain kinase[20-24]	*Bacillus subtilis*, *Bacillus brevis*, *Enterococcus faecium*, *E. coli* Juhl, *Micrococcus luteus*, *Pseudomonas saccharophila*, *Staphylococcus aureus*, *Streptomyces viridochromogenes*[20-24]	-
streptomonomicin	-	*Bacillus anthracis* str. Sterne, *Bacillus halodurans*, *Bacillus cereus*, *Bacillus* sp. Al Hakam, *Bacillus subtilis*, *Enterococcus faecalis*, *Listeria monocytogenes*, *Staphylococcus aureus*[25]	-
sungsanpin	cell invasion by A549 lung cancer cell line[26]	-	-

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