

Title: Purification and characterization of a novel lipopeptide from *Streptomyces amritsarensis* sp. nov. active against methicillin-resistant *Staphylococcus aureus*

Journal: AMB Express

Authors: Deepika Sharma¹ Santi M Mandal² and Rajesh Kumari Manhas^{1*}

¹Department of Microbiology, Guru Nanak Dev University, Amritsar, Punjab, 143005, India

²Central Research Facility, Indian Institute of Technology, Kharagpur, West Bengal 721302, India.

***Corresponding author:**

Dr. Rajesh Kumari Manhas

Associate Professor,

Department of Microbiology

Guru Nanak Dev University, Amritsar, Punjab, 143005, India

Email: rkmanhas@rediffmail.com

Tel: +91-183-2258802-09 Ext.3450; Fax: +91-183-2258819-20.

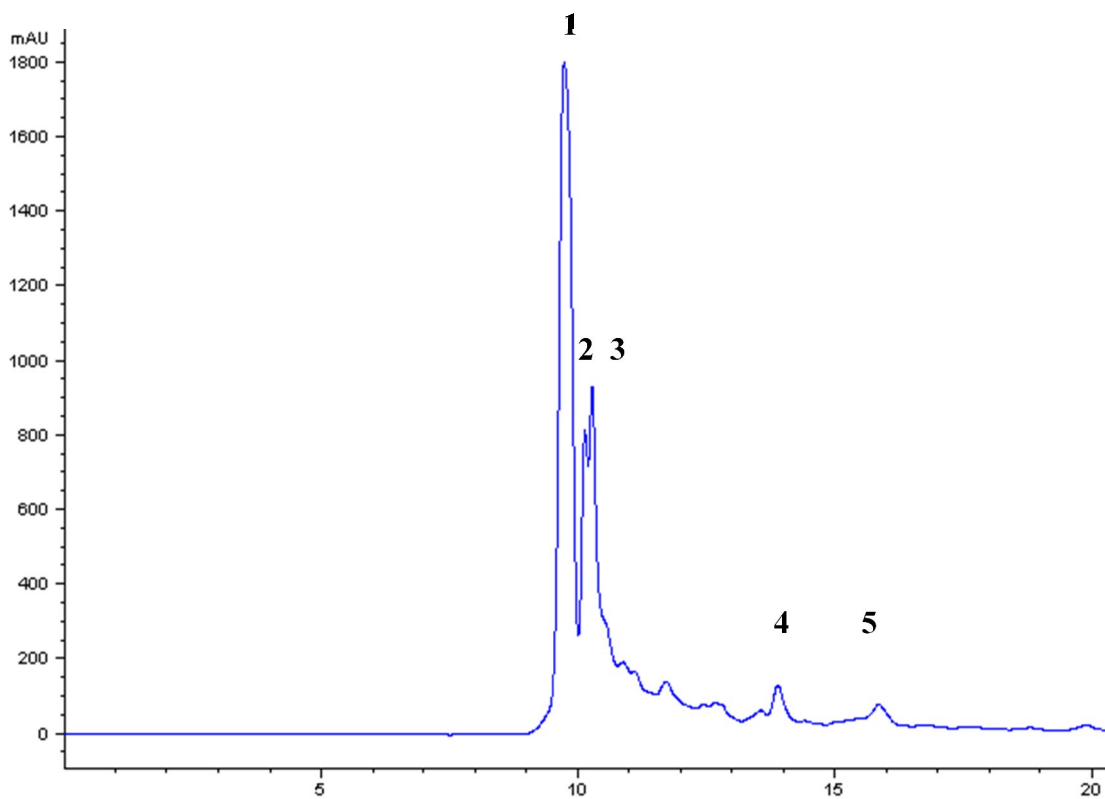


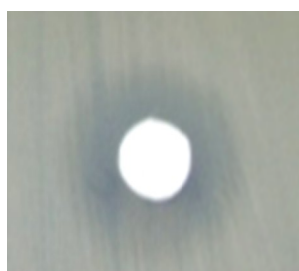
Fig. S1 Ellution profile of the partially purified compound using a HPLC reverse phase chromatography on C18 column monitoring by absorbance at 280 nm



a



b



c



d

Fig. S2 Antibacterial activity of lipopeptide against: (a) *B. subtilis*, (b) *S. epidermidis* c) *M. smegmatis* (d) MRSA