

**Product Name:** Aureusimine B

**Product Number:** A150

**CAS Number:** 170713-71-0

**Molecular Formula:**  $C_{14}H_{16}N_2O$

**Molecular Weight:** 228.3

**Description:** Aureusimine B (phevalin) is a small molecular weight monoketopiperazine formed non-ribosomally by the fusion of phenylalanine and valine. Aureusimine B was isolated from *S. aureus* in 2010 as one of a pair of related metabolites, controversially identified as virulence factors in the pathology of Golden Staph. Aureusimine B is also an inhibitor of the protease, calpain.

Aureusimine B is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility

**References:** Staphylococcus aureus nonribosomal peptide secondary metabolites regulate virulence. Wyatt M.A. et al. Science 2010, 329, 294

Aureusimines in Staphylococcus aureus are not involved in virulence. Sun F. et al. PLoS 2010, 5, e15103.

Phevalin, a new calpain inhibitor, from a Streptomyces sp. Alvarez M.E. et al. J. Antibiot. 1995, 48, 1165.