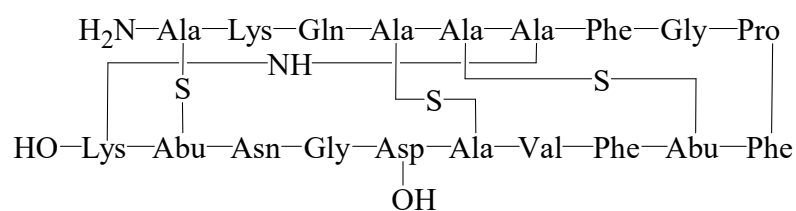




>>Entry Name: Duramycin

Synonym(s): Duramycin A. Leucopeptin. PA 48009. Antibiotic PA 48009



CAS Registry Number: 1391-36-2

Type of Compound Code(s): XA1150 AH0500 VV0500

Molecular Formula: C₈₉H₁₂₅N₂₃O₂₅S₃

Molecular Weight: 2013.304

Accurate Mass: 2011.837912

Percentage Composition: C 53.10%; H 6.26%; N 16.00%; O 19.87%; S 4.78%

General Statement: Lantibiotic

Biological Source: Isol. from *Streptomyces cinnamomeus*, *Streptomyces longisporoflavus*, *Streptovercillium hachijoense* and *Streptovercillium griseovercillatum*

Biological Use/Importance: Active against gram-positive bacteria and some yeasts and fungi

Physical Description: Cryst.

Sigma: D3168

>>Derivative: Trifluoroacetate

Physical Description: Powder

Optical Rotation: [α]_D -65 (c, 0.25 in H₂O)

References:

Shotwell, O.L. *et al.*, *J.A.C.S.*, 1958, **80**, 3912, (*isol, props*)

Fredenhagen, A. *et al.*, *J. Antibiot.*, 1990, **43**, 1403, (*isol, bibl*)

Hayashi, F. *et al.*, *J. Antibiot.*, 1990, **43**, 1421, (*pmr, struct*)

Jung, G. *et al.*, *Angew. Chem., Int. Ed.*, 1991, **30**, 1051, (*rev*)

Roberts, M. *et al.*, *J. Pharmacol. Exp. Ther.*, 1991, **259**, 1050-1058, (*pharmacol*)