

Product Datasheet

D-Ala-D-Ala (orb2692758)

Catalog Number	orb2692758
Category	Proteins
Description	D-Ala-D-Ala is present at the stem end of the peptidoglycan side-chain pentapeptide found in the cell wall of gram-positive bacteria. D-Ala-D-Ala stem ends are the interaction sites of glycopeptide antibiotics such as vancomycin and teicoplanin. D-alanine-D-alanine is a substrate used to study the kinetics of the UDPMurNAc-tripeptide D-alanyl-D-alanine addition (ligase) enzyme. D-Ala-D-Ala (terminal part of bacterial peptidoglycan) is used for affinity chromatography and binding mechanism studies of antibiotics such as teicoplanin, ristocetin, vancomycin, etc.
Target	others
Purity	≥95%
Protein Sequence	{D-Ala}-{D-Ala}
MW	160.17
CAS Number	923-16-0
Formula	$C_6H_{12}N_2O_3$
Note	For research use only
Expiration Date	6 months from date of receipt.

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