

Product Datasheet

Lanthionine (orb1703155)

Catalog Number	orb1703155
Category	Proteins
Description	Lanthionine is a non-proteinogenic amino acid featuring a thioether-linked β -carbon, serving as a core structural motif in lantibiotic antibiotics. It acts as an inhibitor of diaminopimelate epimerase ($K_i = 420 \mu\text{M}$), making it a relevant tool for studying bacterial cell wall biosynthesis in biochemical and microbiological research.
Target	Endogenous Metabolite,Amino Acids and Derivatives
Purity	99.91% (May vary between batches)
MW	208.24
Target Areas	Amino Acids and Derivatives Endogenous Metabolite
CAS Number	922-55-4
Formula	$\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4\text{S}$
SMILES	<chem>[C@@H](C(O)=O)(CSC[C@@H](C(O)=O)N)N</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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