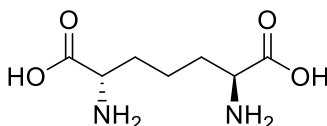


DL-2,6-Diaminopimelic acid

Code No.: **BIA-D2434**

Pack sizes: **5 mg, 25 mg**



Synonyms : rel-(2R,6R)-2,6-Diaminoheptanedioic acid, (±)-Diaminopimelic acid, (±)-α,ε-Diaminopimelic acid, DL-2,6-Diaminopimelic acid, DL-α,ε-Diaminopimelic acid

Specifications

CAS #	: 2577-62-0
Molecular Formula	: C₇H₁₄N₂O₄
Molecular Weight	: 190.2
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

DL-Diaminopimelic acid is a stereoisomer of mesodiaminopimelic acid, a constituent of the peptidoglycans present in the cell walls of algae and most bacteria. DL-Diaminopimelic acid is found in the cell wall of some actinomycetes, including Nocardia. DL-Diaminopimelic acid can be used as a marker of microbial nitrogen in sheep and other ruminants.

References

1. Determination of diamino acids in peptidoglycans from anaerobic bacteria. Satyanarayana S. et al. Amino Acids 2001, 21, 221.
2. The chemical composition of cell walls of actinomycetes and its taxonomic application. Cummins C.S. Ann Inst Pasteur 1962, 103, 385.
3. The simultaneous use of ribonucleic acid, 35S, 2–6 diaminopimelic acid and 2-aminoethyl phosphonic acid as markers of microbial nitrogen entering the duodenum of sheep. Ling J.R. and Buttery P.J. Br J Nutr, 1978, 39, 165.