

## **D-Alanine Methyl Ester Hydrochloride**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | TRC-A481005-25G                   |
| Unit            | 25 g                              |
| Deliverydetails | No Dangerous Good /not restricted |

### **Description**

Category: Amines, Amino Acids and Derivatives, Chiral Reagents, Pharmaceuticals, Intermediates and Fine Chemicals /// Application Notes: D-Alanine methyl ester is a derivative of D-Alanine (A480995). D-Alanine is an amino acid that is commonly found in bacteria, such as *Streptococcus faecalis*. It is essential for the biosynthesis of peptidoglycan crosslinking sub-units that are used for bacterial cell walls. D-Alanine is also known to cause cytotoxic oxidative stress in brain tumour cells. /// References: Ellsworth, B., et al.: Chem. Biol., 3, 37 (1996)| Ferrari, E. et al.: Nat. Biotech., 3, 1003 (1985)| Stegman, L., et al.: Human Gene Ther., 9, 185 (1998)| Wood, W. & Gunsalus, I.: J. Biol. Chem., 190, 403 (1951)

| Text/Information | Analyte/Parameter                       | CAS number   | Concentration/Value | Unit | Method | Source |
|------------------|-----------------------------------------|--------------|---------------------|------|--------|--------|
|                  | D-Alanine methyl ester<br>hydrochloride | [14316-06-4] |                     |      |        |        |