

## Product Specifications

**Product Name**

**DL-Threonine**

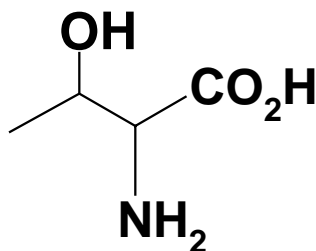
*Syn:*

(2*R,S*),(3*S,R*)-2-Amino-3-hydroxybutyric Acid;  
(±)-2-Amino-3-hydroxybutyric acid

**CAS No.**

80-68-2

**Structure Formula**



**Mol. Formula**

C<sub>4</sub>H<sub>9</sub>NO<sub>3</sub>

**Mol. Weight**

119.12

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*Test*

*Specification*

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**Appearance**

White, microcrystalline solid

**Identity**

TLC; IR

**Mp**

244-245 °C (dec.)

**Assay (hplc)**

≥ 99%

**Specific rotation, [α]<sub>D</sub>**

0 ± 0.1°, c = 1 in H<sub>2</sub>O

**Ash**

< 0.1%

**LOD**

≤ 0.5 %

**Heavy metals (Pb)**

≤ 20ppm

**Arsenic**

≤ 2.0ppm

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