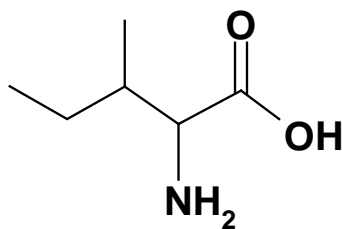


Product Specifications

Product Name **DL-Isoleucine**
Syn: (+/-)-erythro-2-Amino-3-methylpentanoic acid
CAS No. **443-79-8**

Structure Formula



Mol. Formula **C₆H₁₃NO₂**
Mol. Weight **131.17**

<i>Test</i>	<i>Specification</i>
Appearance	White, microcrystalline solid
Mp	275-78 (dec.)°C [Lit. 274-76°C] ¹
Assay (hplc)	99.0% - 100.5%
Specific rotation, [α]_D	-0.5 ⁰ to + 1.5 ⁰ (H ₂ O)
Ash	< 0.1%
LOD	≤ 0.5 %
Heavy metals	≤ 20 ppm
Other amino acids	Not detectable

References

1. Hudlicky,M.; Kakac,B., *Collect.Czech.Chem.Commun.*, **31**, 1101 (1966); Bestmann,H.J.; Kunstmann,R., *Chem.Ber.*, **102**(6), 1816 (1969).