

Chem-Impex International, Inc.

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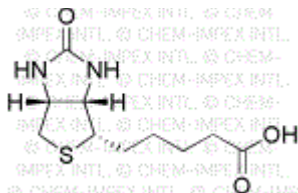
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

| | |
|--------------------------|---|
| Catalogue Number | 00033 |
| Product | D-Biotin Vitamin H D- <i>cis</i> -Hexahydro-2-oxo-1 <i>H</i> -thieno[3,4- <i>d</i>]imidazole-4-pentanoic acid |
| CAS Number | 58-85-5 |
| Molecular Formula | C ₁₀ H ₁₆ N ₂ O ₃ S |
| Molecular Weight | 244.31 |

| | |
|-------------------------------|--|
| Appearance | White or off-white crystalline powder |
| Melting Point | 229 - 233 °C (Lit.) |
| Optical Rotation | [α] _D ²⁰ = 89 - 93 ° (C=20 mg/ml in 0.1 N NaOH) |
| Related Substances | Individual impurity : ≤ 1% Total impurities : ≤ 2% |
| Assay | 97.5 - 102.0% |
| Grade | Meets USP Specification |
| Storage | Store at 0 - 8 °C |
| Additional Information | Identification : Test for A : Infrared spectroscopy : Conforms to structure Test for B : Test for optical rotation : To pass test Test for C : To pass test |

For Laboratory Use Only