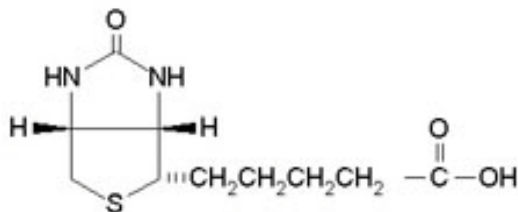




Product Information Sheet

B140 D-Biotin



Synonym: Hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanoic Acid
Vitamin H
CAS: 58-85-5
Formula: $C_{10}H_{16}N_2O_3S$
Molecular Wt: 244.31

Properties

Form: Powder
Appearance: White Powder
Application: Vitamin
Solubility: 1 N KOH
Storage Temp: Room Temperature
Storage Temp of Stock Solution: -20-0°C
Other Notes: Plant Tissue Culture Tested

Application Notes

- Common vitamin supplement in various plant tissue culture media.
- Used in the microbiological field as a protein marker through biotinylation.

Found in Products:

Kao & Michayluk Vitamin Solution (100x) – (Product #: K421)
Morel & Martin Vitamin Solution (100x) – (Product #: M587)
Morel & Wetmore Vitamin Solution (100x) – (Product #: M592)
Nitsch & Nitsch Vitamin Solution (1000x) – (Product #: N603)
Nitsch & Nitsch Vitamin Powder (1000x) – (Product #: N608)
Staba Modified Vitamin Solution (100x) – (Product #: S743)

References

Merck **13**, 1231

de Boer E, Rodriguez P, Bonte E, Krijgsveld J, Katsantoni E, Heck A, Grosveld F, Strouboulis J. Efficient biotinylation and single-step purification of tagged transcription factors in mammalian cells and transgenic mice. *Proc. Natl Acad. Sci. USA* 2003; 100:7480-7485.

Chapman-Smith, A., Cronan, J. E. Jr (1999). Molecular Biology of Biotin Attachment to Proteins. *J. Nutr.* 129: 477S-484S

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