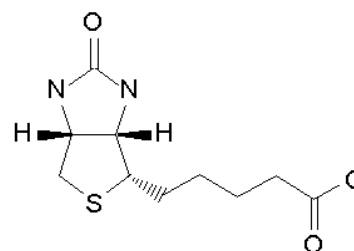


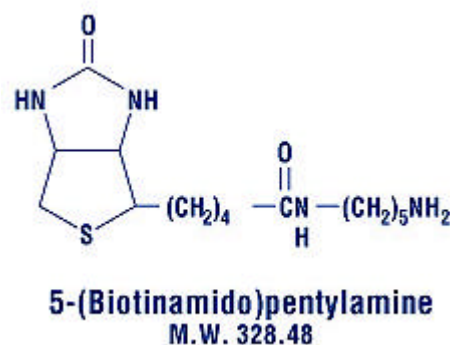
BIOTINES

Product Description

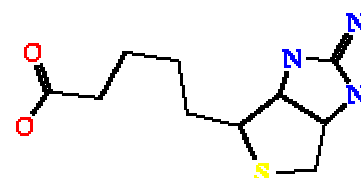
Catalog number: UP10685A, 200mg UP10685E, 1g UP10685F, 5g
Name: **d-Biotin** [\(CA\)](#)
Formula: $C_{10}H_{16}N_2O_3S$, CAS: [58-85-5], **M.W.= 244** (L)
Isoelectric point: pI = 3.5
Purity: 99.0%
Applications: Building block for biotin derivatives synthesis



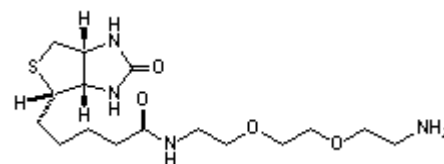
Catalog number: UP84961A, 50mg UP84961B, 100mg
Name: **BiotinAmidoPentylAmine** [\(CA\)](#)
Formula: $C_{15}H_{29}N_4O_2S$, **M.W.= 328.5**, (L)
Applications: Building block for biotin derivatives synthesis
 Used with carbodiimides (EDAC UP52005) to biotinylate carboxyls
 Colorimetric assay for factor XII carbonyls and cellular transglutaminases



Catalog number: UP39375A, 100mg
Name: **IminoBiotin**
Formula: $C_{10}H_{17}N_3O_2S$, CAS: [13395-35-2], **M.W.= 243.3** (L)
Applications: Building block for biotin derivatives synthesis



Catalog number: UP77872A, 100mg
Name: **Biotin-PEO3-Amine**
Formula: $C_{16}H_{30}N_4O_4S$, **M.W.= 374.50** (L)
 Spacer is 20.4 Angstrom length.
 Amino-PEO tether imparts water
Applications: Building block for biotin derivatives synthesis
 Used with carbodiimides (EDAC UP52005) to biotinylate carboxyls $C_{16}H_{30}N_4SO_4$



Catalog number: UP91577A, 100mg
Name: **Biotin-PEO4-Amine**
Formula: $C_{18}H_{34}N_4O_5S$, **M.W.= 418.56** (L)
 Spacer is 22.9 Angstrom length.

For any question,
 contact you local distributor
uptima@interchim.com

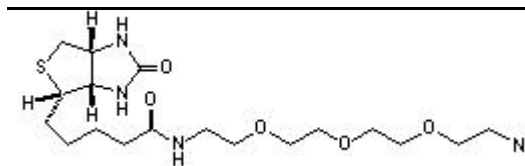
Uptima,
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 03103 Montluçon Cedex - France
 Tél. 04 70 03 88 55 - Fax 04 70 03 82 60

FT-UP10685

Applications: Building block for biotin derivatives synthesis
Used with carbodiimides (EDAC UP52005) to biotinylate carboxyls

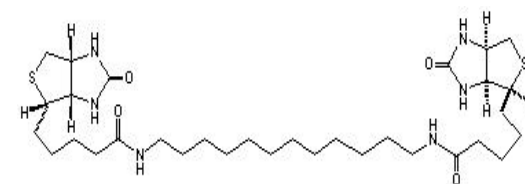


Catalog number: UPQ7467A, 50mg
Name: **Biotin-PEO6-Amine**
Formula: $C_{32}H_{56}N_6S_2O_9$, **M.W.= 732.97 (L)**
Spacer is 43.4 Angstrom length.



Applications: Building block for biotin derivatives synthesis
Used with carbodiimides (EDAC UP52005) to biotinylate carboxyls

Catalog number: Inquire
Name: **Biotin-PEO12-Biotine**
Formula: $C_{32}H_{41}N_6S_2O_4$, **M.W.= 637.81 (L)**
Spacer is 43.4 Angstrom length.
Applications: Biotin dimer crosslinks avidin molecules.
Generates linear avidin oligomers ([Sutoh 1984](#))



Storage: Store cold. Keep dry. (L)
Warm to room temperature before opening

Biotin, a water-soluble member of the B-complex group of vitamins, is also known as vitamin H, vitamin B8 and co-enzyme R. Although there are eight different forms of biotin, only one, D-biotin, occurs naturally and has full vitamin activity. It plays a key role in carbohydrate, fat and protein metabolism. It is relatively stable. Biotin is found in yeast, liver and kidney, but also in Egg yolk, soybeans, nuts and cereals and in even smaller amounts in other tissues. This may lead to undesired background in detection systems with (strept)avidins and anti biotin reagents.

Literature d-Biotin UP10685

1. Cocuzza AJ: A phosphoramidite reagent for automated solid phase synthesis of 5'-biotinylated oligonucleotides; Tetrahedron Lett **30**: 6287-6290 (1989)

Nelson PS, Kent M, and Muthini K: Oligonucleotide labeling methods 3. Direct labeling of oligonucleotides employing a novel, non-nucleosidic, 2-aminobutyl-1,3-propanediol backbone; Nucleic Acid Res **20**: 6253-6259 (1992)

Related documents and products

[PLP-Biotins](#) [Biotins](#)

[PLP-Biotins-actives](#) [Biotinylation reagents](#)

[UP10685](#) Biotin
[UP39375](#) IminoBiotin
UP84961 Biotin-Pentylamine
UP77872 Biotin-PEO3-Amine
UP91577 Biotin-PEO4-Amine
UPQ7467 Biotin-PEO6-Amine
 Biotin dimeres
[UP52117](#) NHS activated Biotins
[UP35329](#) NHS-IminoBiotin
UPL7784 Psoralen-PEO4-Biotin

For any information, please ask / Pour toute information, s'adresser à :
Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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03103 Montluçon Cedex - France
Tél. 04 70 03 88 55 - Fax 04 70 03 82 60

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