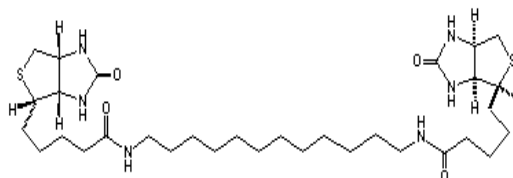


Biotins dimers

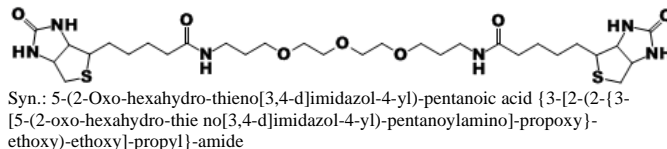
Products description

Biotin dimers crosslinks avidin molecules, generating linear avidin oligomers. They are used in immunoassays as amplification avidin-based systems, but also in other assays (interaction studies, polymerisation).

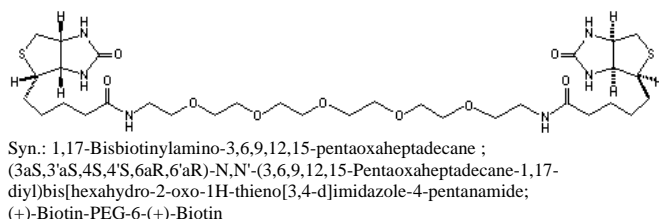
Catalog number: T5046A, 50mg
Name: **Biotin-C₁₂-Biotin**
Formula : **MW= 637.85** (K)
 Spacer is an alkyl chain (12 C atoms)
 mp 231 °C; Soluble in DMF, DMSO.
Applications:
 Ref: Sutoh, K., et.al. (1984) *J. Mol. Biol.* 178, 323-339 .



Catalog number: RS7280, 50mg RS7281, 1g
Name: **Biotin-PEO₃-Biotin**
Formula : CAS: 194920-54-2 ; **MW= 672.90** (K)
 Spacer is 19.3 Angstrom long (17 atoms)
 mp 105-106 °C
 Water soluble

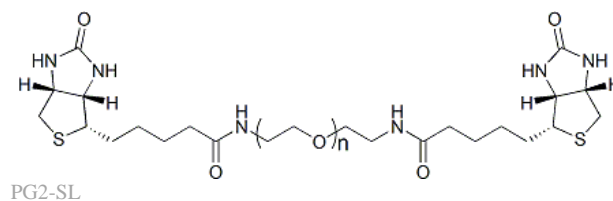


Catalog number: Q7467A, 25mg Q7467B, 50mg
 Q7467C, 250mg
Name: **Biotin-PEO₆-Biotin**
Formula : CAS: 440680-87-5 ; **MW= 732.97** (K)
 Spacer is 43.4 Angstrom long (17 atoms)
 mp >80°C; Off-White to Pale Beige Solid
 Soluble in Water, Methanol (slightly)



Name: **Biotin-PEG_x-Biotin**
 Spacer is an PEG chain (purified; <10% dispersiv.)
Catalog number: (1g) **MW**

AWJMA-	400Da
Inquire	600
Inquire	800
1E4241	1 000Da
1E4211	2 000
WT9531	3 400
WT9521	5 000
1E4251	10 000
B36H71	20 000



Storage: +4°C (-20°C for long term) (K,M)

The PolyEthyleneGlycol nature of the spacer (**PEG**; or PolyEthylOxy units) confers hydrophilicity. The PEO spacer design a synthetic source, hence a single compound.

Other information

Related documents and products

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- [#10685A](#) D-Biotin ([UP10685](#)) and carboxylated derivatives (PEO spacer...)
- [#849611](#) Fluorescent and biotinylated Biotins
- [#39375A](#) IminoBiotin ([UP39375](#)) and NHS-IminoBiotin ([UP35329](#))
- [#52117A](#) Amine activated Biotins (i.e NHS-Biotin [UP52117](#))
- [#52005A](#) EDC ([UP52005](#); crosslinker for amine to carboxyl conjugations)
- [#05361D](#) HABA ([UP05361](#); biotin quantitation)

For R&D use only.

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Rev.V02E-H11E