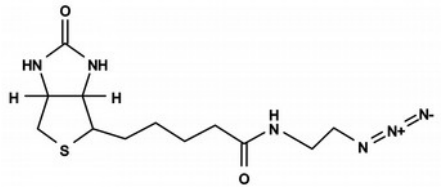
FT-FJ6751

Biotin-Azide

Product Description

Biotin-(C2)-Azide

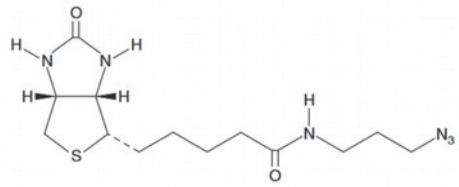
PQI331, 5mg



MW:312.29 (M)

Biotin-(C3)-Azide

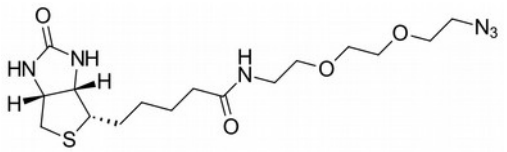
ZC671A, 5mg



(3aS,4S,6aR)-N-(3-azidopropyl)hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanamide ; CAS: 908007-17-0
CAS:908007-17-0
MW:326.4 (M)

Azide-PEO$_2$-Biotin

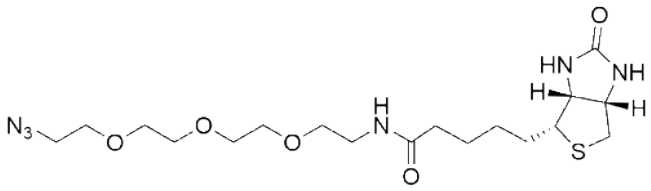
8X297A, 10mg 8X297D, 100mg



CAS: 945633-30-7 (& 1910803-72-3)
MW:400.5 (M)
Soluble in DMF, DMSO, moderately soluble in water

Azide-PEO$_3$-Biotin

FJ6752, 25mg, FJ6753, 100mg

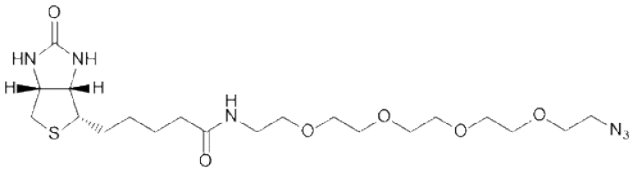


(3aS,4S,6aR)-N-[2-[2-[2-(2-azidoethoxy)ethoxy]ethoxy]ethyl]hexahydro-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanamide ;
N-(11-Azido-3,6,9-trioxa-undecylamine)-D-(+)-biotinamide
Biotin-TEG-Azide; Biotin-dPEG-Azide ; CAS:875770-34-6 ()
MW:444.55 (M)
Spacer 20.6A
White to grey amorphous solid
Soluble in DMSO, DMF, water
Ask also Azido-PEG3-Sulfo-Biotin #IYS77- ()

FT-FJ6751

Azide-PEO$_4$-Biotin

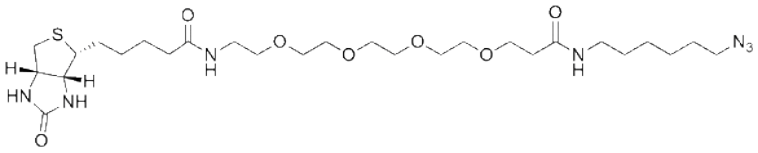
DQP671, 100mg DQP672, 250mg



N-[2-[2-[2-[2-(2-Azidoethoxy)ethoxy]ethoxy]ethoxy]ethyl]biotinamide
CAS: 1309649-57-7 ()
MW: 488.6 (M)
White to grey amorphous solid
Soluble in DMSO, DMF, water

Azide-PEO$_4$-(C6)-Biotin

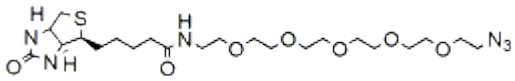
A2ZJJ1, 5mg A2ZJJ3, 100mg



MW: 615.79 (M)
White to grey amorphous solid
Soluble in DMSO, DMF, water

Azide-PEO$_5$-Biotin

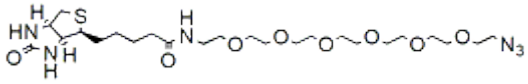
8Y239A, 100mg 8Y239C, 500mg



CAS: 1163732-89-5 : MW: 532.7 (M)

Azide-PEO$_6$-Biotin

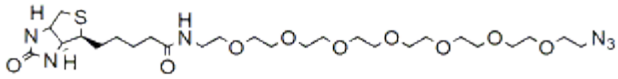
B43AO3, 100mg B43AO4, 250mg



CAS:1085938-09-5 ; MW:576.7 (M)

Azide-PEO$_7$-Biotin

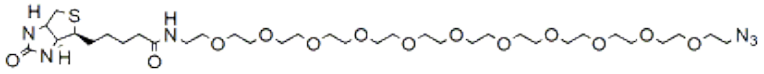
RPY68A, 100mg RPY68C, 500mg



CAS:1334172-75-6 ; MW:62.7 (M)

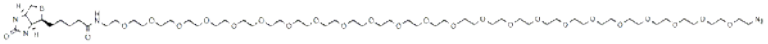
Azide-PEO$_{11}$-Biotin

DQP473, 100mg DQP475, 500mg



Azide-PEO$_{23}$-Biotin

B43AN3, 100mg B43AN4, 250mg



CAS:956494-20-5; MW:1325.6 (M)

Ask also Biotin-Picolyl-Azide #YQX03- (improves the click reaction with Alkynes – no need Cu catalyzer)

Technical and scientific information

The **biotin** is a vitamin widely used in biotechnology for its propriety of binding with extremely high affinity to avidin (Ka=10^{-15} M^{-1}) and streptavidin (Ka=10^{-14} M^{-1}). This hapten-protein interaction resists effectively to drastic physico-chemical conditions, allowing various immuno-technologies, and notably detections. The biotin can be conjugated chemically with biomolecules of interest, though several groups.

The **Azide** functional group reacts with terminal alkynes via a copper-catalyzed click reaction, with strained alkynes (e.g. cyclooctyne DBCO or cyclononyne BCN compounds) via Cu-free click reaction, and with phosphine-labeled molecules (Staudinger ligation), enabling efficient and specific conjugation of derivatized molecules in biological samples. These reactions are bioorthogonal or in other words compatible with biological systems in that it′s components do not react with the biological environment.

For use *in vitro* only, not for diagnostic.

LIFE SCIENCES interchim®
211bis Avenue J.F. Kennedy - BP 1140 - 03103 Montluçon Cedex - France
S.A. a conseil de surveillance 1.548.000 euro - RCS Montluçon 917 050 171 -APE 4669B

Related / associated products and documents

*Other Biotin-Azide

Azido-PEG$_x$-Biotins (MW 1 to 40Ka) #B36H81, Azido-PEO$_x$-Biotins (MW 1 to 40Ka) #FJ6751
Biotin-Picolyl-Azide #8K6761(improves the click reaction with Alkynes – no need Cu catalyzer)
N-(Azido-PEG$_2$)-N-Biotin-PEG$_3$-Acid #AYNGD-
Azide-SS-Biotin #AYNLU-

PhotoActivable Biotin-Azide #XEU39-	PC Biotin-PEG$_3$-Azide #8X339-
Diol-PEGx-Biotin #XEU40-	Diol-PEGx-Biotin #8X906-
DDE-PEGx-Biotin #XEU42-	DDE-PEGx-Biotin #8X683-
Diazo-PEGx-Biotin #MRT88-	Diazo-PEGx-Biotin #8X719-

* Acetylene-PEG4-Biotin #DQP650

* NHS-PEOx-Biotins FT-R2027A ; Maleimido-PEOx-Biotins FT-R2028A

* Desalting Biotinylated molecules: CelluSep dialysis tubings

* Dosage proteins in your conjugate: BC Assay protein dosage FT-40840A

* Purification of Biotinylated molecules: Avidin support #UP34090A Hydrazide-Agarose #AWJK30

Ordering and other information

For any information, please contact Uptima, or your local distributor.