Biotin PEG3 azide (A270124)

Specifications:

Name:	Biotin PEG3 azide
Description:	Biotin azide is a derivative of biotin (vitamin H) covalently bound with azide group. This reagent allows labeling of various alkynylated molecules (such as DNA, oligonucleotides, and proteins) with biotin. Biotin binding to avidin or streptavidin can be used in downstream affinity applications for the isolation of biotinylated molecules or their binding with streptavidin conjugates. This structure of biotin azide features long hydrophilic linker which separates biotin residue from the target molecule for efficient binding with streptavidin. Its linker (PEG) also enhances aquous solubility to facilitate conjugation. The azide can be conjugated with various molecules.
CAS Number:	945633-30-7
Purity:	95% (by 1H and 13C NMR, TLC, and functional testing).
Molecular Formula:	C16H28N6O4S
Molecular Weight:	400.50 kDa
Product Form:	Colorless solid.
Solubility:	Soluble in DMF and DMSO. Moderately soluble in water.
Storage:	Shipped at room temperature. Upon delivery, store at -20°C.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:

Biotin azide structure.