GeneCopoeia™
Expressway to Discovery

9620 Medical Center Drive, Suite 101
Rockville, MD 20850, USA
Web: www.abpbio.com

Biotin DBCO

Catalog Number	Packaging Size
C330	1 mg

Storage upon receipt: -20°C, protected from light

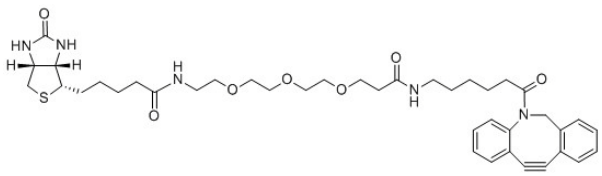
Introduction

Click chemistry describes a class of chemical reactions that use bio-orthogonal or biologically unique moieties to label and detect a molecule of interest in mild, aqueous conditions. DBCO alkynes can be used to perform click reactions with azide-modified targets without the use of heavy metal catalysis. DBCO reactions are ideal for surface labeling of live cells and also minimize damage to fluorescent proteins like GFP or R-PE.

The biotin DBCO is reactive with azide via a Strain-promoted Azide-Alkyne Click Chemistry reaction (SPAAC). Biotin can be subsequently detected with streptavidin, avidin or NeutrAvidin® biotin-binding protein.

Specifications

Label:	Biotin
Ex/Em:	-
Detection Method:	-
Solubility:	DMSO, DMF
Molecular Weight:	747.95
Product Size:	1 mg
Storage Conditions:	-20 ℃, protect from light
Shipping Condition:	Room Temperature



Applications

Click chemistry labeling