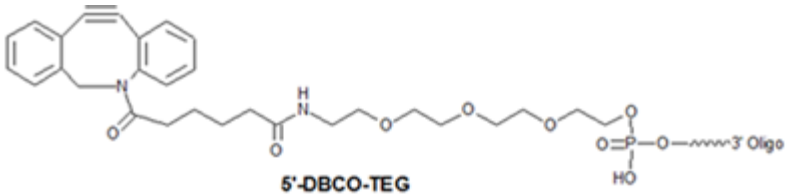
DBCO-TEG (5')

Category	Click Chemistry
Modification Code	DBCO-TEG
Reference Catalog Number	26-6928
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	570.57



5'-DBCO-TEG
[26-6828-XX]

DBCO-TEG, DBCO-dT and DBCO Serinol are discontinued modifications due to their instability during direct oligo synthesis protocols. We offer a range of post synthesis DBCO NHS modifications as alternate. See above related modifications.

Click here for a complete list of Click Chemistry Oligo Modifications

Cyclooctyne-based (dibenzocyclooctynes, DBCO) modifications offers the ease of copper-free click reagents. These are simple to use and has excellent click performance in 17 hours or less at room temperature. Gene Link offers 5'-DBCO-TEG for preparing oligos with 5'-DBCO and a 15 tom triethylene glycol spacer arm, DBCO-dT for inserting a DBCO group at any position within the oligonucleotide and DBCO-sulfo-NHS Ester is also offered for post-synthesis conjugation reactions. DBCO-modified oligos may be conjugated with azides in organic solvents, such as DMSO, or aqeous buffers. Depending on the azide used, the reaction will go to completion in 4-17 hours at room temperature.
Glen Report 27.1: Technical Brief - DBCO-dT - An Unusual Case of Iodine Sensitivity