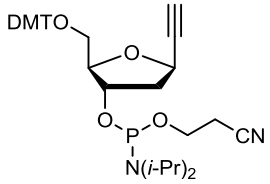
Clickable dSpacer CEP

Product No. BA 0410

Product Information



$C_{37}H_{45}N_2O_6P$
Mol. Wt.: 644.75

Our Clickable dSpacer CEP (BA 0410) is a modification of our popular dSpacer CEP (BA 0033) in which we have appended a click-friendly alkyne to the original dSapcer. This clickable dSpacer has been shown to be easily incorporated into oligonucleotides and efficiently converted postsynthetically to a triazole containing nucleobase by Hari et al, and that use of benzyl azide in the click reaction resulting triazole can behave as a universal base.[1]

Use: Dissolve the phosphoramidite in acetonitrile at concentrations recommended by the synthesizer manufacturer. Coupling should be carried out using standard instrument protocols. Cleavage from the solid support can be carried out under standard conditions, and standard deprotection conditions may be employed.

References:

1. a) Nakahara, M.; Kuboyama, T.; Izawa, A.; Hari, Y.; Imanishi, T.; Obika, S. *Bioorg. & Med. Chem. Lett.* **2009**, *19*, 3316-3319. b) Hari, Y.; Nakahara, M.; Pang, J.; Akabane, M.; Kuboyama, T.; Obika, S. *Bioorg. & Med. Chem.* **2011**, *19*, 1162-1166.