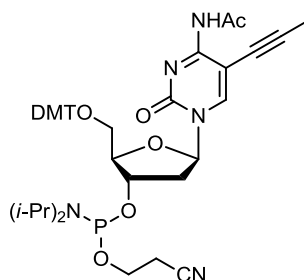


5-Propynyl dC CEP

Product No. BA 0290

Product Information



$C_{44}H_{52}N_5O_8P$
Mol. Wt.: 809.91

BA 0290 is useful for the installation of 2'-deoxy-5-propynyl cytosine for stabilization of duplex and triplex nucleic acids. Recent work reported by Seela and co-workers,¹ has also described stabilization of cytosine intercalated structures (i-motif) via incorporation of propynyl dC.

Use In Oligo Synthesis: 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 and deprotection can be carried out under standard conditions.

References

1) Seela, F.; Budow, S.; Leonard, P. *Org. Biomol. Chem.*, **2007**, *5*, 1858.