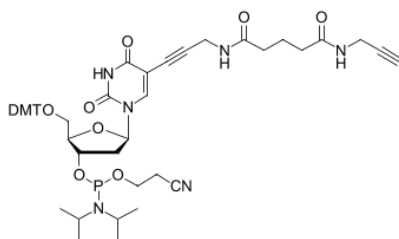


Alkyne dT phosphoramidite

<http://www.lumiprobe.com/p/alkyne-amidite-dt>

This product will be discontinued soon in favor of [Alkyne dT phosphoramidite](#). We may still have some material in stock (please see availability above).

Alkyne dT phosphoramidite is used for the synthesis of oligonucleotides containing an internal alkyne modification attached to the uridine 5-position. The alkyne group can be subsequently modified by various azides using copper-catalyzed Click chemistry.



Structure of Alkyne dT phosphoramidite

General properties

Appearance:	white solid
Molecular weight:	935.01
Molecular formula:	C ₅₀ H ₅₉ N ₆ O ₁₀ P
Solubility:	good in THF, DCM, acetonitrile
Quality control:	NMR ¹ H, HPLC-MS (90+%), functional testing in oligo synthesis
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Oligo synthesis details

Coupling conditions:	6 min. coupling time; 45 sec. oxidation time
Cleavage conditions:	ammonia, 2 h at room temperature
Deprotection conditions:	identical to protected nucleobases