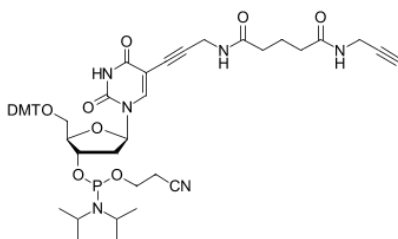


Alkyne dT phosphoramidite

<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.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

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