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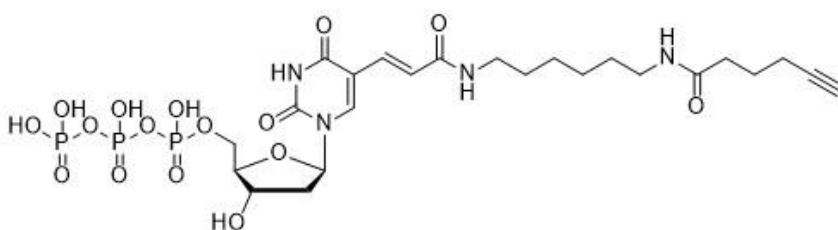
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## 15-Alkyne-dUTP

<http://buyolig.com/pcr-components-and-buffers/nucleoside-triphosphates-/modified/15-alkyne-dutp->

Nucleoside Triphosphate 15-Alkyne-dUTP is a 2'-deoxyuridine triphosphate modified at the C-5 position of the pyrimidine ring. The modifying fragment contains the terminal acetylene group attached to the nitrogen-containing base through the 15-atom linker by a C–C double bond.

15-Alkyne-dUTP is used for enzymatic incorporation of nucleosides with terminal acetylene groups into DNA. The obtained modified DNA can be further functionalized via click reaction with azide-functionalized label.



Structure 15-Alkyne-dUTP

## General properties

|                                       |                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------|
| Appearance:                           | Clear colorless or slightly yellow liquid                                     |
| Molecular mass, g/mol<br>(free acid): | 730.49                                                                        |
| Brutto formula<br>(free acid):        | C <sub>24</sub> H <sub>37</sub> N <sub>4</sub> O <sub>16</sub> P <sub>3</sub> |
| Purity:                               | ≥ 95 % (HPLC)                                                                 |
| Storage conditions:                   | 12 month (from the production date) at -18°C or lower                         |