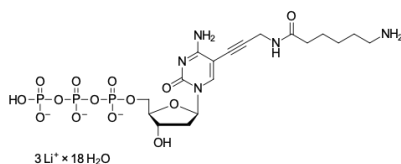


## Amino-11-dCTP

<http://www.lumiprobe.com/p/amino-11-dctp>

Amino-11-dCTP has the base modification in 5-position of pyrimidine to introduce primary amine groups via enzymatic reaction. The resulting DNA molecule allows further labeling with amino-reactive reagents.

Modified nucleotides, e.g. deoxycytidine triphosphates (dCTP), are commonly for the incorporation into DNA a functional group, not originally available in the nucleotide structures. Amino-11-dCTP possesses longer linker of 11 atoms for the amino group.



**Structure of Amino-11-dCTP**

### General properties

Appearance: off white solid

Molecular weight: 975.45

Molecular formula: C<sub>18</sub>H<sub>63</sub>Li<sub>3</sub>N<sub>3</sub>O<sub>32</sub>P<sub>3</sub>

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.