

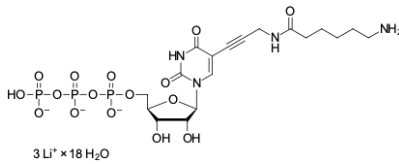
## Amino-11-UTP

<http://cn.lumiprobe.com/p/amino-11-utp>

Amino-UTP is uridine triphosphate with an amino group, which is designed for enzymatic incorporation of the amino group into the RNA molecule during *in vitro* transcription using T7, T3, and SP6 RNA polymerases. The enzymatic reaction results in the RNA molecule with amino groups, which can be conjugated with amine-reactive reagents such as NHS esters of fluorescent dyes or biotin.

The amino group is separated from uridine with a long linker of 11 atoms; it is longer than frequently used C3-allyl linker and prevents the fluorophore from potential static quenching after RNA labeling via the amino group. The efficacy of RNA synthesis using amino-11-UTP is almost the same as that when using non-labeled nucleotide triphosphates.

Incorporation of amino-11-UTP with subsequent labeling via the amino group is used for cRNA synthesis and microarray analysis.



外观

分子 920.37

分子量

分子式 C<sub>18</sub>H<sub>54</sub>N<sub>4</sub>Li<sub>3</sub>O<sub>30</sub>P<sub>3</sub>

分子式

溶解度

质量

控制

储存

条件

说明

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