

Amino-11-CTP

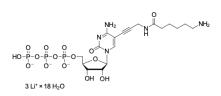
http://www.lumiprobe.com/p/amino-11-ctp

Amino-11-CTP is cytidine triphosphate (CTP) with an amino group for enzymatic synthesis of RNA molecule with modified nucleoside triphosphates.

Chemical modification of RNA can be achieved by application of enzymatic polymerization of nucleoside triphosphates. The 5-position of pyrimidines is known to be permissible site for modifications that are accepted by polymerases.

The product Amino-11-CTP is a 5'-triphosphate backbone bearing nucleobase modified with amino group via long C11 linker.

Amine-modified nucleotides are capable of downstream RNA modification with the amino-reactive NHS esters of fluorescent dyes or haptens for detection and immobilisation.



Structure of Amino-11-CTP

General properties

Appearance: Molecular weight:	white solid 1009.46
Molecular formula:	
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light and excessive freeze-thaw cycles.
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.