

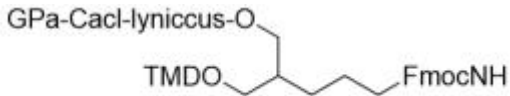
## 3' -Amino-Modifier C7 CPG 1000

Article number: KF-YG0883

specification: 1g

### Product information

Structural formula:



### Product description

3'-Amino-Modifier CPG contains an amino group protected by a base-labile Fmoc group, designed to functionalize the 3' - of a target oligonucleotide by introducing a primary amine. In an alternative approach, the nitrogen that will become the 3'-amino group is contained in a phthalimide (PT) group which is attached to the support via an amide group linked to an aromatic ring. This simple linkage is highly stable under all oligonucleotide synthesis conditions and contains no chiral centers. Using prolonged ammonium treatment (55° C for 17 hours), the amine is released from the phthalimide cleavage along with the deprotection of the oligonucleotide



## **Application**

**Coupling:** The carrier should be used in the same manner as normal protected nucleoside carriers, as it contains a DMT group.

**Deprotection:**aving the oligonucleotide from the carrier using ammonium hydroxide at room temperature requires 2 hours. Complete the deprotection using the protocol required for nucleobases.

## **Product Nature**

F. M. : 209.18

Appearance: White powder

## **Transportation and storage**

Transport conditions: Cold

Storage conditions: -15 to -30° C

