# 5-Methyltetrazine-PO-$(EO)_4$-P-AA-dCTP / 5-Methyltetrazine-$PEG_4$-AA-dCTP

## 5-Methyltetrazine-containing analogue of dCTP for click chemistry applications

5-Methyltetrazine-$PEG_4$-AA-dCTP is an analogue of dCTP and a suitable molecular tool for the so-called „Tetrazine-Alkene-Ligation“, a copper(I)-free inverse electron demand Diels–Alder (IEDDA) reaction. The IEDDA reaction is a prime example of the click chemistry technique and has attracted particular interest for the introduction of reporter groups into oligonucleotides and for the labelling of various biomolecules.

*BLG-M171-0125 (5 x 0.25 µmol pack size) is not sold in the U.S. or Canada. Please contact us for available options.*

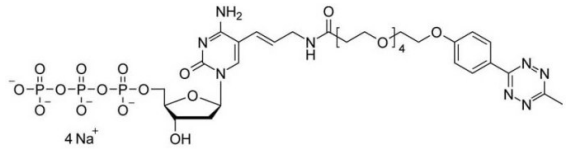
## Ordering Information

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| | |
|---|---|
| **BLG-M171-0025** | 0.25µmol |
| **BLG-M171-0125** | 5x0.25µmol |

## Manuals, SDS & CofA

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NH2
O
N
H
4 Na+
OH

## Handling & Storage

**Long Term Storage** -80°C

**Shipping** Dry Ice

## Regulatory Status

RUO -Research Use Only

## Product Details

**Alternative Name** 5-(3-(15-((6-Methyl-1,2,4,5-tetrazine-3-yl)phenyloxy)-(tetraethoxy)-propionyl)aminoallyl)-2′-deoxcytidine-5′-O-triphosphate . sodium salt

**Couple Type** Modified nucleotides

**Formula** $C_{32}H_{47}N_8O_{19}P_3$

**Formulation** 1 mM aqueous solution

**MW** 940.7

**Purity** > 95% HPLC

**Quantity** 0.25µmol are equivalent to ~235 µg

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