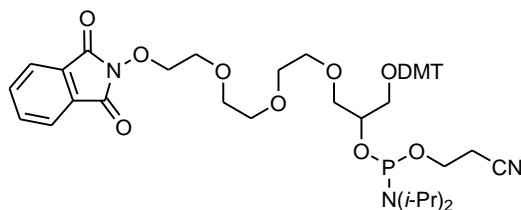


Aminooxy-modifier CEP

Product No. BA 0374

Product Information



$C_{47}H_{58}N_3O_{11}P$
Mol. Wt.: 871.95

The use of oxime formation in ligation reactions of oligonucleotides has been widely established in the literature for over a decade.¹ As examples, 5'-aminooxy-modifiers have been used in oxime ligation for peptide-oligonucleotide conjugates,² attachment of nucleosides to solid supports,³ and head to tail cyclization of oligonucleotides.⁴ Our Aminooxy-modifier (**BA 0374**) allows internal incorporation of the aminooxy functionality.

Use: For oligonucleotide synthesis, employ acetonitrile diluent at the concentration recommended by the synthesizer manufacturer. It is important to use bases that can be deprotected under mild conditions. Use standard coupling protocols; in our hands, extended coupling times were not required, and coupling efficiencies of >97 % could be obtained. Cleavage from the solid support should be carried out with 40% aqueous methyl amine. Avoid the use of NH_4OH and AMA with this product.

References

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