

New

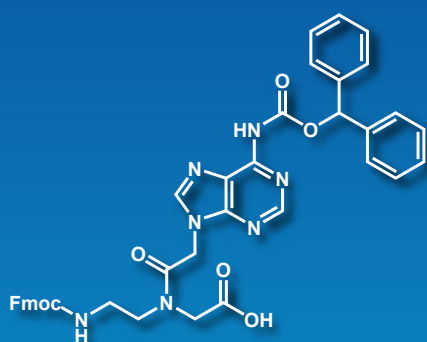
CHEMISTRY

LIFE SCIENCE

TCI®

# Peptide Nucleic Acid (PNA) Monomers

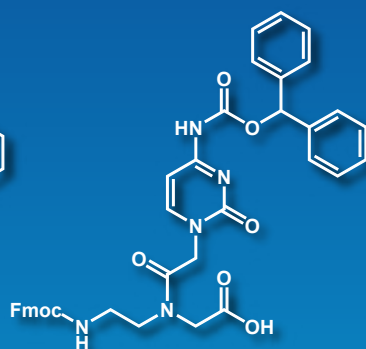
One of the most successful synthetic analogues of DNA monomers



Fmoc-PNA-A(Bhoc)-OH

1g

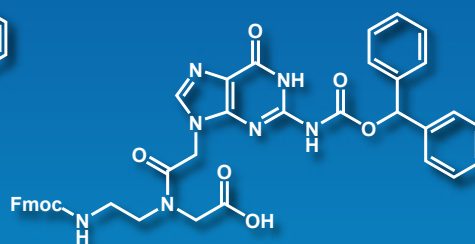
[D5931]



Fmoc-PNA-C(Bhoc)-OH

1g

[D5932]



Fmoc-PNA-G(Bhoc)-OH

1g

[D5933]



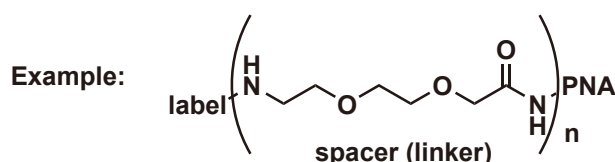
Fmoc-PNA-T-OH

1g

[D5934]

## Advantages

- Peptide nucleic acid (PNA) monomers are among the most successful synthetic analogues of DNA monomers. For PNA, the sugar-phosphate backbone is replaced by *N*-(2-aminoethyl)glycine.
- PNAs feature the stability of hybridization complexes with targeted DNA, the metabolic stability, and the ease of chemical modifications such as fluorescent probe labeling and spacer (linker) insertion.<sup>1)</sup>



- PNAs are applicable to antisense and antigen agents, among other applications.<sup>2)</sup>

References 1) J.-A. Ortega, J. R. Blas, M. Orozco, A. Grandas, E. Pedroso, J. Robles, *Org. Lett.* **2007**, 9, 4503. DOI: <https://doi.org/10.1021/ol701826x>  
2) J. Saarbach, P. M. Sabale, N. Winssinger, *Curr. Opin. Chem. Biol.* **2019**, 52, 112. DOI: <https://doi.org/10.1016/j.cbpa.2019.06.006>

## Related Products

Fmoc-NH-PEG2-CH<sub>2</sub>COOH

6-Aminoheptanoic Acid

Fluorescein 5-Isothiocyanate (isomer I)

200mg / 1g [F0719]

25g / 500g [A0312]

100mg / 1g [F0026]

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