



Product Specifications

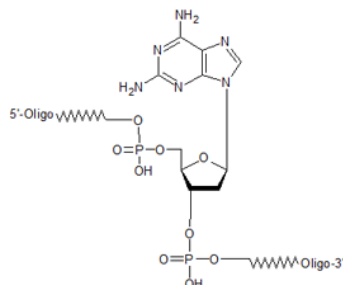
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

2-6-diaminopurine

Category	Duplex Stability
Modification Code	2-6-AP
Reference Catalog Number	26-6504
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	328.22



diaminopurine (2,6-diaminopurine)
[26-6504-XX]

Diaminopurine (2,6-diaminopurine); 2-6AP is more commonly known as 2-Amino-dA.

2-6 diamino purine has been used to the design of high affinity primers and probes by substituting an A sites with 2-amino-A, since the 2-amino-A-T base pair is equivalent in strength to the G-T base pair. 2-Amino-A also destabilizes A-G wobble mismatches, thus increasing specificity.

Reference

I.V. Kutyavin, et al., Biochemistry, 1996, 35, 11170-11176.