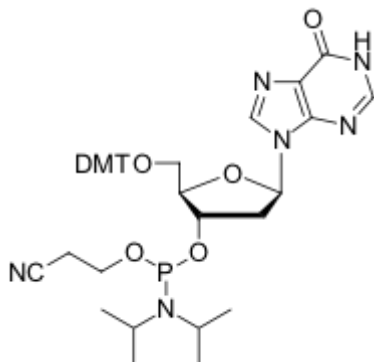


Inosine (dl) phosphoramidite

<http://www.lumiprobe.com/p/inosine-phosphoramidite>

Deoxyinosine is a minor base that is encountered in natural nucleic acids. It forms base pairs with A, C and T/U bases. The modified DNA oligonucleotides containing 2'-deoxyinosine can be synthesized using this phosphoramidite.



Structure of DMT-2'-Deoxyinosine phosphoramidite

General properties

Appearance:	white solid
Molecular weight:	754.81
CAS number:	141684-35-7
Molecular formula:	C ₄₀ H ₄₇ N ₆ O ₇ P
Solubility:	Good solubility in acetonitrile and DCM
Quality control:	NMR ¹ H and ³¹ P, HPLC-MS
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Oligo synthesis details

Diluent:	acetonitrile
Coupling conditions:	standard coupling, identical to normal nucleobases
Deprotection conditions:	identical to protected nucleobases