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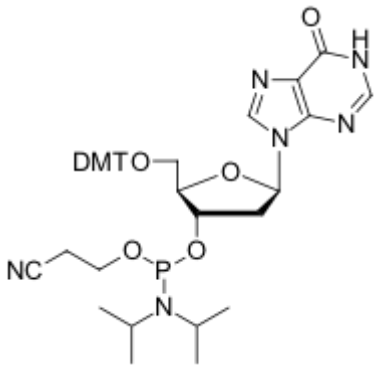
Inosine (dI) phosphoramidite

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:	$C_{40}H_{47}N_6O_7P$
Solubility:	Good solubility in acetonitrile and DCM
Quality control:	NMR ^{1}H and ^{31}P, HPLC-MS (95+%)
Storage conditions:	Storage: 12 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Oligo synthesis details

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