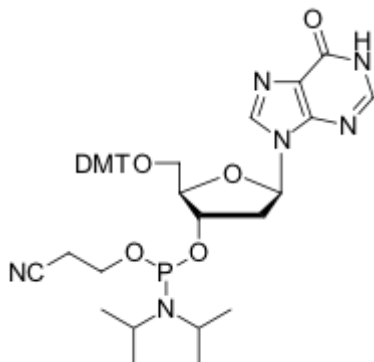


## Inosine (dI) phosphoramidite

<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 <sub>40</sub> H <sub>47</sub> N <sub>6</sub> O <sub>7</sub> P
Solubility:	Good solubility in acetonitrile and DCM
Quality control:	NMR <sup>1</sup> H and <sup>31</sup> 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