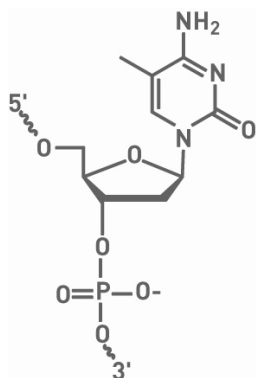


5-Methyl dC

Structure



Key data

Ab_{max} 277 nm

Extinction Coef (at absorbance max): 9,000

3' MW: 303.2 g/mol

Properties

5-Methyl deoxyCytidine when substituted for dC will increase the T_m by as much as 0.5°C per insertion. In addition, the presence of 5-Methyl dC in CpG motifs can prevent or limit unwanted immune responses that otherwise occur if oligos are administered in vivo, which is of particular importance in antisense applications.