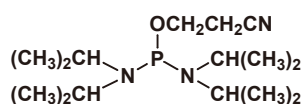


Nucleic Acid Medicine Synthesis Research Reagents

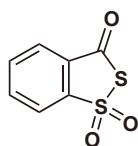
Recently, nucleic acid medicines have been attracting much attention. Nucleic acid medicines are pharmaceutical products produced from the structural components of DNA and RNA, called nucleic acid or oligonucleotide medicine. Through direct action on gene expression and pathogenic proteins, these medicines hold great promise for treating diseases that were formerly difficult to treat. As a pharmaceutical product, they are second only to antibody drugs, and the nucleic acid medicine market is expected to expand in the near future. These are our products for the synthetic studies of nucleic acid medicines. For more information, please refer to the products application information of our website.

Reference V. K. Sharma, P. Rungta, A. K. Prasad, *RSC Adv.* **2014**, 4, 16618. DOI: <https://doi.org/10.1039/C3RA47841F>

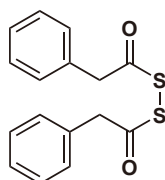
Phosphoramidation Reagent¹⁻³⁾



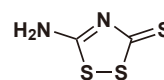
**2-Cyanoethyl
N,N,N',N'-Tetraisopropyl-
phosphordiamidite**
1g / 5g
[C2228]



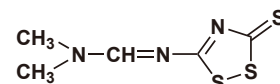
Beaucage Reagent
1g / 5g
[B3125]



**Bis(phenylacetyl)
Disulfide**
5g / 25g
[B3623]

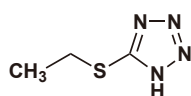


Xanthane Hydride
25g / 100g / 500g
[X0001]

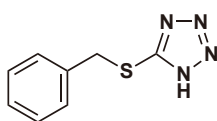


DDTT
5g / 25g
[D5920]
D5920 is unavailable in the U.S.

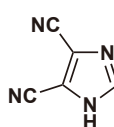
Condensation Activators⁸⁻¹¹⁾



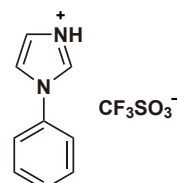
5-(Ethylthio)-1H-tetrazole
1g / 5g
[E0670]



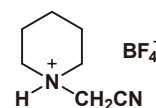
5-(Benzylthio)-1H-tetrazole
25g
[B3020]



4,5-Dicyanoimidazole
25g / 250g
[D2026]

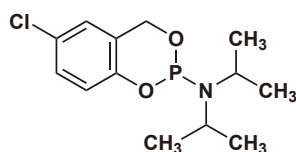


**1-Phenyl-1H-imidazol-
3-ium
Triflate**
5g / 25g
[P2822]

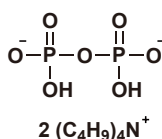


**1-(Cyanomethyl)-
piperidinium
Tetrafluoroborate**
5g
[C2421]

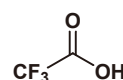
5'-O-Triphosphorylation Reagents¹²⁾



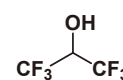
**5-Chlorosaligenyl-
N,N-diisopropylphosphoramidite**
200mg / 1g
[C3326]



**Bis(tetrabutylammonium)
Dihydrogen Pyrophosphate**
200mg / 1g
[B5440]



TFA
25g / 100g / 500g
[T0431]



HFIP
25g / 100g / 250g / 500g
[H0424]

Nucleic Acid Medicine Synthesis Research Reagents

Protecting Reagents for Hydroxyl and Amino Groups

4,4'-Dimethoxytrityl Chloride	5g / 25g [D1612]
Benzoyl Chloride	25mL / 500mL [B0105]
Isobutyryl Chloride	25g / 100g / 500g [I0115]
N,N-Dimethylformamide Dimethyl Acetal	25mL / 100mL / 500mL [D1293]

Nucleoside Phosphoramidites

New DMT-dC(bz) Phosphoramidite	1g [D5701]
New DMT-dT Phosphoramidite	1g [D5702]
New DMT-dA(Bz) Phosphoramidite	1g [D5707]
New DMT-dG(lb) Phosphoramidite	1g [D5708]

Protected Nucleosides for Oligonucleotide Synthesis

N⁶-Benzoyl-2'-deoxyadenosine Hydrate	100mg / 1g [B3101]
N⁶-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxyadenosine	100mg / 1g [B3103]
5'-O-(4,4'-Dimethoxytrityl)thymidine	5g / 25g [D3566]
N²-Isobutyryl-2'-deoxyguanosine	100mg / 1g [I0700]
N⁴-Benzoyl-2'-deoxycytidine	100mg / 1g [B3102]
N⁴-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine	1g / 5g [B3087]
N⁶-Benzoyl-adenosine Hydrate	1g / 5g [B3093]
N⁶-Dibenzoyl-adenosine 2',3'-Dibenzoate	100mg / 1g [B3460]
N²-Isobutyryl-guanosine Monohydrate	100mg / 1g [I0699]
N⁴-Benzoylcytidine	1g / 5g [B3094]

2'-Substituted Nucleosides

2'-Deoxy-2'-fluorouridine	1g / 5g [D3615]
2'-Deoxy-2'-fluorocytidine Hydrate	1g [D3614]
2'-O-Methyladenosine	1g [M2291]
2'-O-Methyluridine	1g / 5g [M2290]
2'-O-Methylguanosine Hydrate	200mg / 1g [M2318]
2'-O-Methylcytidine	200mg / 1g [M2317]

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