



小核酸药物原料 产品目录



江苏申基生物科技有限公司
Synthgene Biotechnology Co., Ltd.

申基生物(宜兴)有限公司
Synthgene Biotech (Yixing) Co., Ltd.



江苏申基生物科技有限公司

申基生物(宜兴)有限公司

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公司介绍

江苏申基生物科技有限公司成立于2018年，是一家专注于核酸药物关键技术开发的高科技企业，公司产品主要应用于小核酸药物、mRNA疫苗/药物、分子诊断等领域。作为全球核酸药物核心原料领域的领军企业，公司已申请相关专利超过100项，完成了亚磷酰胺单体、帽类似物、生物酶、递送系统等核酸药物产业链核心技术的全覆盖。公司拥有3万平研发以及GMP生产基地，产品质量达到国际领先水平，获评“国家高新技术企业”、“国家专精特新小巨人企业”，承担了科技部“核酸药物揭榜挂帅”等重大项目。



1 2018 申基成立

研发生产中心落户江苏省生命科技园并签署合作协议，总建筑面积达5000平方米

2 2019 研发转产

完成核苷、修饰核苷、亚磷酰胺等小核酸药物核心原料的研发转产

3 2020 专利获批

独立研发新型帽类似物专利获得国家专利局审批通过

4 2021 重大突破

天然核苷、修饰核苷的互相转换生产基地交付，提供吨级以上高品质核酸原料

5 2022 资本青睐

完成超3亿元A+轮融资
国家“揭榜挂帅”技术攻关重大项目落地
mRNA疫苗核心原料获FDA DMF II类备案

6 2023 再获殊荣

获评“2023年江苏省专精特新中小企业”
入选2022中国潜在独角兽榜单
Areterna子公司成立，完成全球布局

7 2024 专精特新

获评“国家专精特新小巨人企业”
获评“江苏省潜在独角兽企业”
申基宜兴工厂投产

8 2025 全面启航

宜兴核酸药物原料“芯片”工厂正式启动
获批江苏省企业技术中心

 **Areterna**
美国波士顿

 **申基生物**
中国苏州&无锡

 **AVO**
新加坡



产品目录

CATALOG



单体

P1-12



核苷

P13



GalNAc

P14-15



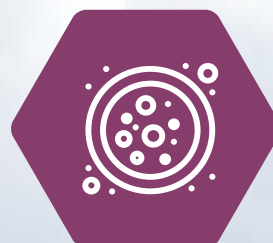
Succinates

P16



杂质标准品

P17-18



磷试剂

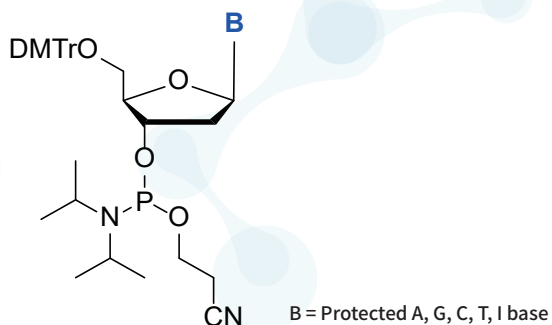
P18



单体



DNA单体



- DMTr-dA(Bz)-3'-CE-Phosphoramidite
- DMTr-dG(iBu)-3'-CE-Phosphoramidite
- DMTr-dC(Bz)-3'-CE-Phosphoramidite
- DMTr-dT-3'-CE-Phosphoramidite

[More...](#)

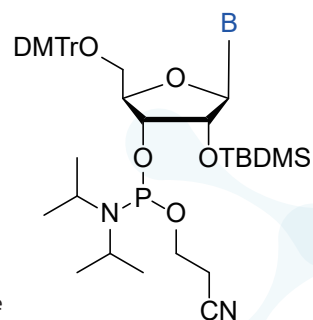


2'-O-TBDMS单体

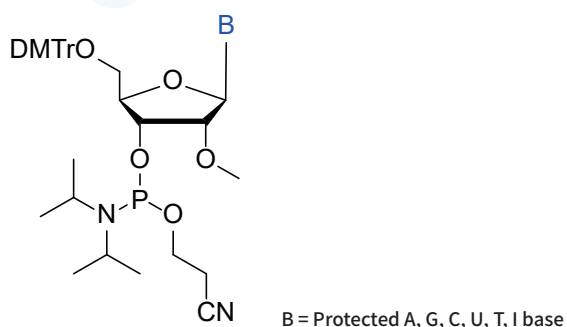
- DMTr-2'-O-TBDMS-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-TBDMS-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-TBDMS-rC(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-TBDMS-rU-3'-CE-Phosphoramidite

[More...](#)

B = Protected A, G, C, U, I base



2'-O-Me单体



- DMTr-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-Me-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-Me-rC(Bc)-3'-CE-Phosphoramidite
- DMTr-2'-O-Me-rU-3'-CE-Phosphoramidite

[More...](#)

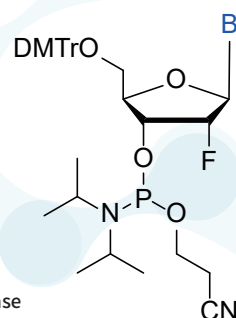


2'-Fluoro单体

- DMTr-2'-F-dA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-F-dG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-F-dC(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-F-dU-3'-CE-Phosphoramidite

[More...](#)

B = Protected A, G, C, U, T, I base



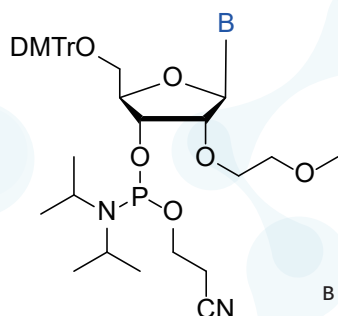
※ Patented products are only sold to authorized customers or used solely for research purposes



单体



2'-O-MOE单体



- DMTr-2'-O-MOE-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-MOE-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-MOE-5-Me-rC(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-MOE-rT-3'-CE-Phosphoramidite

More...

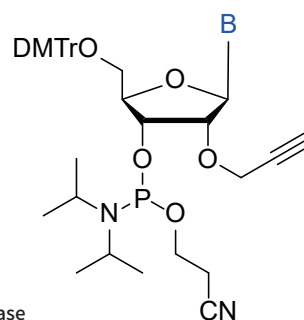


2'-O-Propargyl单体

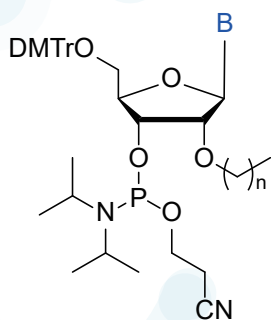
- DMTr-2'-O-propargyl-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-propargyl-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-propargyl-rC(Ac)-3'-CE-Phosphoramidite
- DMTr-2'-O-propargyl-rU-3'-CE-Phosphoramidite

More...

B = Protected A, G, C, U, T base



2'-O-Alkyl单体



- DMTr-2'-O-C16-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-C16-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-C16-rC(Ac)-3'-CE-Phosphoramidite
- DMTr-2'-O-C16-rU-3'-CE-Phosphoramidite

More...

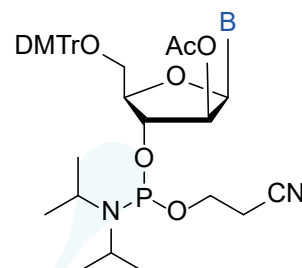


2'-Arabino单体

- DMTr-2'-ara-OAc-A(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-ara-OAc-G(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-ara-OAc-C(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-ara-OAc-U-3'-CE-Phosphoramidite

More...

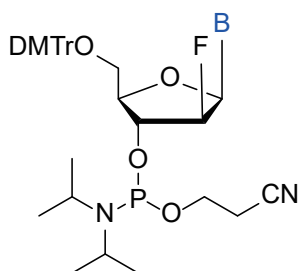
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单体

2'-FANA单体



B = Protected A, G, C, U, T base

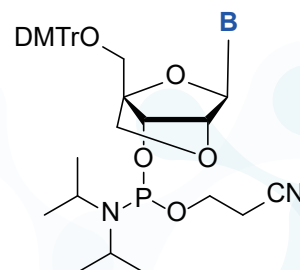
- DMTr-2'-ara-F-dA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-ara-F-dG(dmf)-3'-CE-Phosphoramidite
- DMTr-2'-ara-F-dC(Ac)-3'-CE-Phosphoramidite
- DMTr-2'-ara-F-dU-3'-CE-Phosphoramidite

[More...](#)

LNA单体

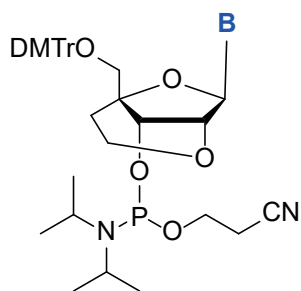
- DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rT-3'-CE-Phosphoramidite

[More...](#)



B = Protected A, G, C, U, T base

ENA单体



B = Protected A, G, C, U, T base

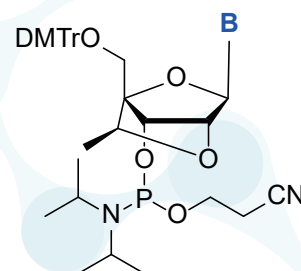
- DMTr-2'-O-4'-C-ethylene-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-ethylene-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-ethylene-rC(Bz)-3'-CE-Phosphoramidite
- DMTr-2'-O-4'-C-ethylene-rU-3'-CE-Phosphoramidite

[More...](#)

cET单体

- DMTr-S-cEt-rA(Bz)-3'-CE-Phosphoramidite
- DMTr-S-cEt-rG(iBu)-3'-CE-Phosphoramidite
- DMTr-S-cEt-5-Me-rC(Ac)-3'-CE-Phosphoramidite
- DMTr-S-cEt-5-Me-rC(Bz)-3'-CE-Phosphoramidite

[More...](#)



B = Protected A, G, C, U, T base

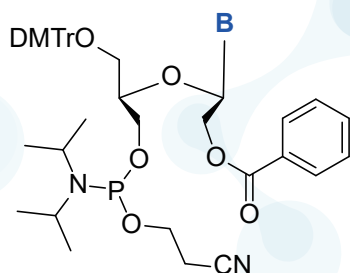
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单体



UNA单体



B = Protected A, G, C, U, T base

- DMTr-UNA-A(Bz)-CE Phosphoramidite
- DMTr-UNA-G(iBu)-CE Phosphoramidite
- DMTr-UNA-U-CE Phosphoramidite
- DMTr-UNA-C(Ac)-CE Phosphoramidite

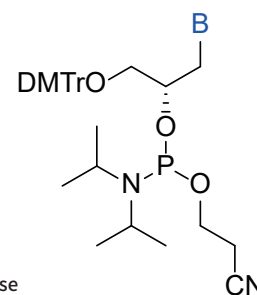
More...



GNA单体

- DMTr-A(Bz)-(S)-GNA Phosphoramidite
- DMTr-G(iBu)-(S)-GNA Phosphoramidite
- DMTr-C(Ac)-(S)-GNA Phosphoramidite
- DMTr-U-(S)-GNA Phosphoramidite

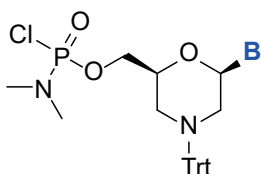
More...



B = Protected A, G, C, U, T base



PMO单体



B = Protected A, G, C, U, T base

- N6-Bz protected A PMO Monomer
- N4-Bz protected C PMO Monomer
- U PMO Monomer
- T PMO Monomer

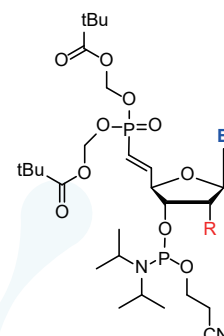
More...



5'-POM-(E)-VP单体

- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rG(iBu)-3'-CE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rC(Bz)-3'-CE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rU-3'-CE-Phosphoramidite

More...

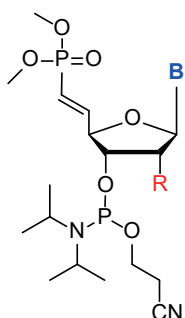


B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

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单体

5'-Me-(E)-Vinyl单体



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- 5'-Me-(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidite
- 5'-Me-(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-CE-Phosphoramidite
- 5'-Me-(E)-vinyl Phosphonate-2'-F-rG(iBu)-3'-CE-Phosphoramidite
- 5'-Me-(E)-vinyl Phosphonate-2'-O-MOE-rG(iBu)-3'-CE-Phosphoramidite

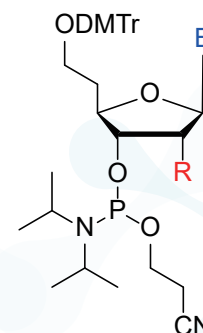
More...

5'-HOMO单体

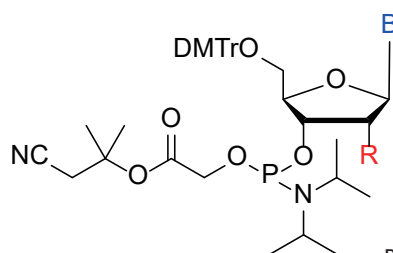
- 6'-O-DMTr-2'-O-Me-5'-Homo-A(Bz)-3'-CE-Phosphoramidite
- 6'-O-DMTr-2'-O-Me-5'-Homo-G(iBu)-3'-CE-Phosphoramidite
- 6'-O-DMTr-2'-O-Me-5'-Homo-C(Ac)-3'-CE-Phosphoramidite
- 6'-O-DMTr-2'-O-Me-5'-Homo-U-3'-CE-Phosphoramidite

More...

B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS



3'-PACE单体



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- DMTr-2'-dA(Bz)-3'-PACE-Phosphoramidite
- DMTr-2'-dG(iBu)-3'-PACE-Phosphoramidite
- DMTr-2'-dC(Ac)-3'-PACE-Phosphoramidite
- DMTr-2'-dT-3'-PACE-Phosphoramidite

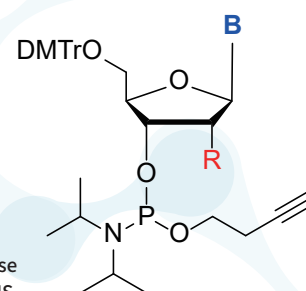
More...

3'-Obutyn单体

- DMTr-2'-F-dA(Bz)-3'-Obutyn-Phosphoramidite
- DMTr-2'-F-dG(iBu)-3'-Obutyn-Phosphoramidite
- DMTr-2'-O-Me-rC(Ac)-3'-Obutyn-Phosphoramidite
- DMTr-2'-O-Me-rU-3'-Obutyn-Phosphoramidite

More...

B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS



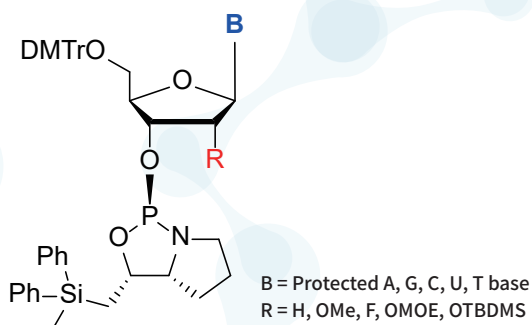
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单体



3'-DPSE(D)单体



- DMTr-2'-O-Me-rA(Bz)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-O-Me-rG(iBu)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-F-dC(Bz)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-F-dU-3'-(D)-DPSE-Phosphoramidite

[More...](#)

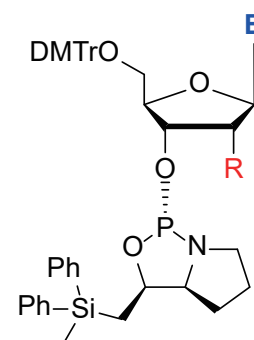


3'-DPSE(L)单体

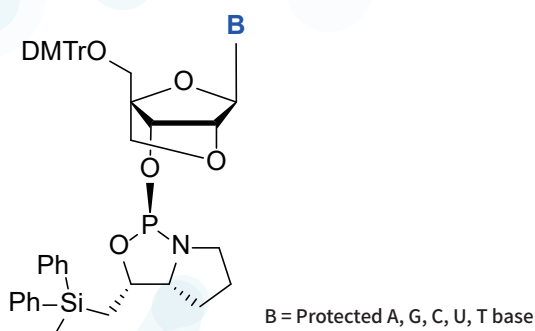
- DMTr-2'-O-Me-rA(Bz)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-O-Me-rG(iBu)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-F-dC(Bz)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-F-dU-3'-(L)-DPSE-Phosphoramidite

[More...](#)

B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS



LNA-DPSE(D)单体



- DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rG(dmF)-3'-(D)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rT-3'-(D)-DPSE-Phosphoramidite

[More...](#)

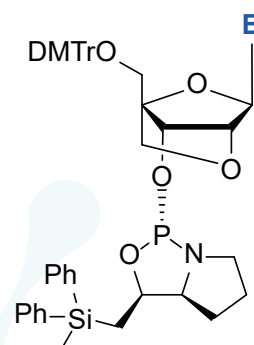


LNA-DPSE(L)单体

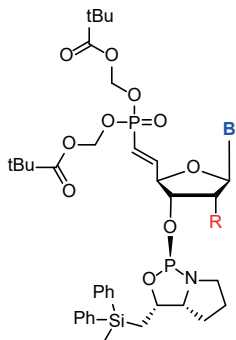
- DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rG(dmF)-3'-(L)-DPSE-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rT-3'-(L)-DPSE-Phosphoramidite

[More...](#)

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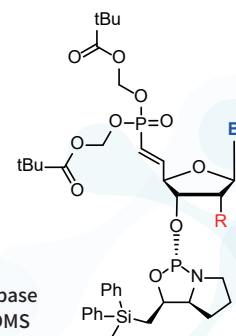


- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-(D)-DPSE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rG(iBu)-3'-(D)-DPSE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rC(Bz)-3'-(D)-DPSE-Phosphoramidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-(D)-DPSE-Phosphoramidite

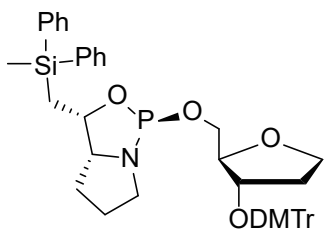
More...

- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-(L)-DPSE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rG(iBu)-3'-(L)-DPSE-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rC(Bz)-3'-(L)-DPSE-Phosphoramidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-(L)-DPSE-Phosphoramidite

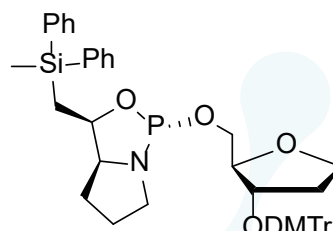
More...



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R = H, OMe, F, OMOE, OTBDMS



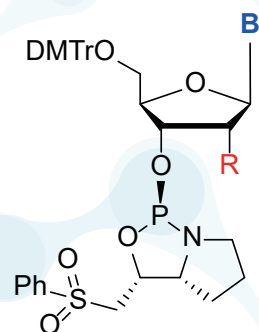
- Inverted Abasic-(D)-DPSE-Phosphoramidite



- Inverted Abasic-(L)-DPSE-Phosphoramidite

- DMTr-2'-O-Me-rA(Bz)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-O-Me-rG(iBu)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-F-dC(Ac)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-F-dU-3'-(D)-PSM-Phosphoramidite

More...



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

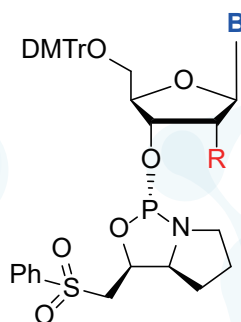
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单体



3'-PSM(L)单体



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- DMTr-2'-O-Me-rA(Bz)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-O-Me-rG(iBu)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-F-dC(Ac)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-F-dU-3'-(L)-PSM-Phosphoramidite

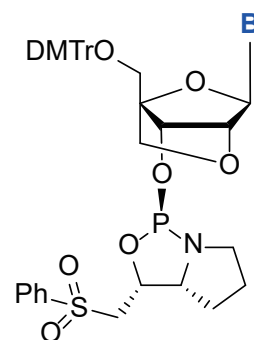
[More...](#)



LNA-PSM(D)单体

- DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rG(dmf)-3'-(D)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rT-3'-(D)-PSM-Phosphoramidite

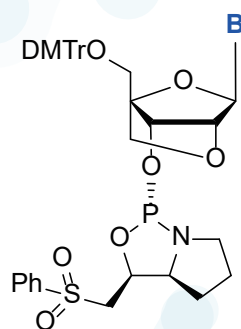
[More...](#)



B = Protected A, G, C, U, T base



LNA-PSM(L)单体



B = Protected A, G, C, U, T base

- DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rG(dmf)-3'-(L)-PSM-Phosphoramidite
- DMTr-2'-O-4'-C-Locked-rT-3'-(L)-PSM-Phosphoramidite

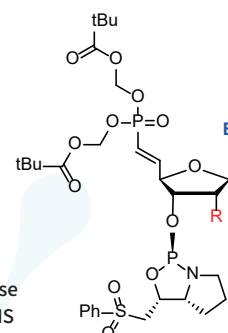
[More...](#)



5'(E)-VP-3'-PSM(D)单体

- 5'-POM(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-(D)-PSM-Phosphoramidite
- 5'-POM(E)-vinyl phosphonate-2'-O-Me-rG(iBu)-3'-(D)-PSM-Phosphoramidite
- 5'-POM(E)-vinyl phosphonate-2'-O-Me-rC(Bz)-3'-(D)-PSM-Phosphoramidite
- 5'-POM(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-(D)-PSM-Phosphoramidite

[More...](#)

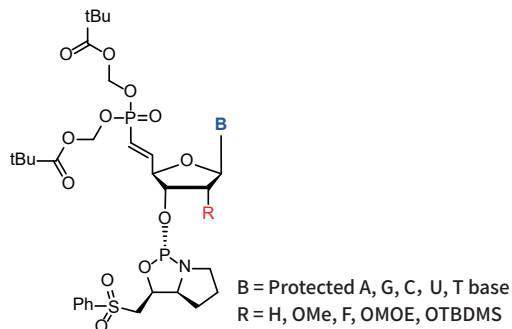


B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

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单体

5'(E)-VP-3'-PSM(L)单体



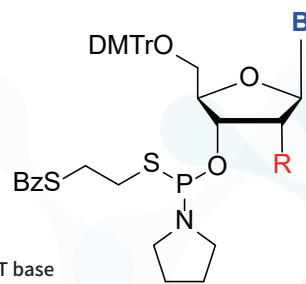
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-(L)-PSM-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rG(iBu)-3'-(L)-PSM-Phosphoramidite
- 5'-POM-(E)-vinyl phosphonate-2'-O-Me-rC(Bz)-3'-(L)-PSM-Phosphoramidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-(L)-PSM-Phosphoramidite

More...

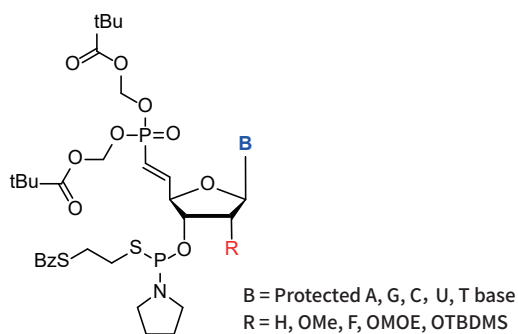
3'-PS2单体

- DMTr-2'-O-Me-rA(Bz)-3'-PS2-Amidite
- DMTr-2'-O-Me-rG(iBu)-3'-PS2-Amidite
- DMTr-2'-F-dC(Bz)-3'-PS2-Amidite
- DMTr-2'-F-dU-3'-PS2-Amidite

More...



5'(E)-VP-3'-PS2单体



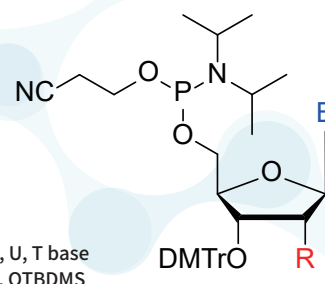
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rA(Bz)-3'-PS2-Amidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rG(iBu)-3'-PS2-Amidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rC(Bz)-3'-PS2-Amidite
- 5'-POM-(E)-Vinyl Phosphonate-2'-O-Me-rU-3'-PS2-Amidite

More...

Reverse单体

- 3'-O-DMTr-2'-dA(Bz)-5'-CE-Phosphoramidite
- 3'-O-DMTr-2'-O-Me-rG(iBu)-5'-CE-Phosphoramidite
- 3'-O-DMTr-2'-O-Me-rC(Ac)-5'-CE-Phosphoramidite
- 3'-O-DMTr-2'-O-Me-rU-5'-CE-Phosphoramidite

More...

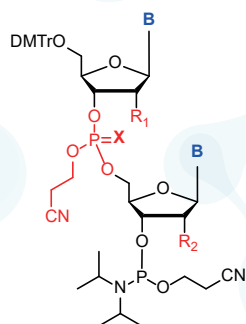




单体



Dimer单体



B = Protected A, G, C, U, T base
 R_1 = H, OMe, F, OMOE, OTBDMS
 R_2 = H, OMe, F, OMOE, OTBDMS
 X = O, S

- DMTr-2'-dT-(P-thiopCyEt)-2'-O-Me-rU-3'-CE-Phosphoramidite
- DMTr-2'-F-dG(iBu)-(pCyEt)-2'-O-Me-rU-3'-CE-Phosphoramidite
- DMTr-2'-OMe-rC(Ac)-(Pthio-pCyEt)-2'-OMe-rU-3'-CE-Phosphoramidite
- DMTr-2'-OMe-rA(Ac)-(Pthio-pCyEt)-2'-F-dC(Ac)-3'-CE-Phosphoramidite

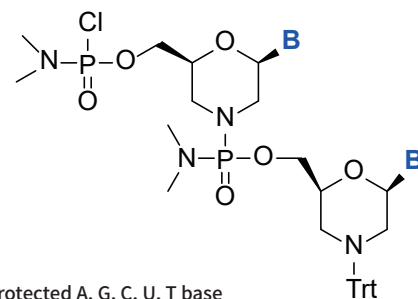
More...



PMO Dimer单体

- C-A-PMO-Dimer Phosphoramidate
- C-G-PMO-Dimer Phosphoramidate
- C-C-PMO-Dimer Phosphoramidate
- C-U-PMO-Dimer Phosphoramidate

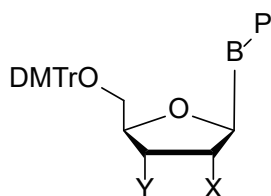
More...



B = Protected A, G, C, U, T base



定制单体



DNA/RNA单体, 修饰类的DNA/RNA单体, 可以接受毫克级到公斤级定制。

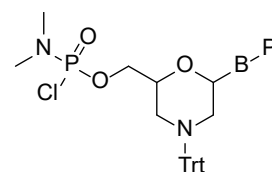
Normal/Modified Nucleoside

B=Base(A,C,G,T,U,I,X,Pu,iso-C,iso-G)

P=Null, Me,F,Cl,Br,I,N,NH₂,isotope,deaza,thio,etc.

X/Y=H,OH,F,OTBDMS,OMe,OMOE,O-Propargyl,NH₂,N₃,etc.

PMO单体, 可以接受毫克级到公斤级定制



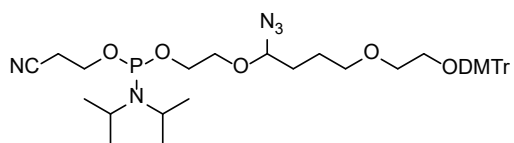
B = A, G, C, U, T base

P = Protecting Group

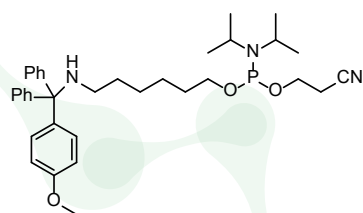
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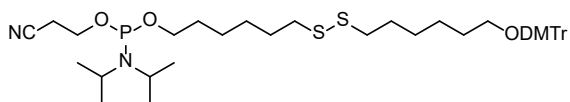
Spacer单体



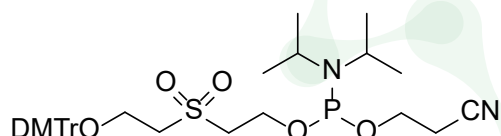
Spacer PEG-N3 Phosphoramidite



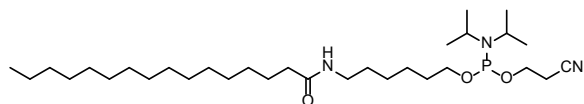
MMT-hexylamine-linker Phosphoramidite



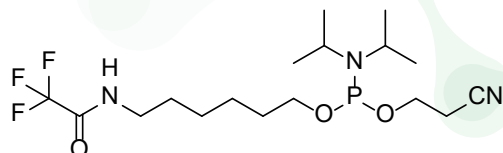
Thiol-Modifier C6 S-S CE Phosphoramidite



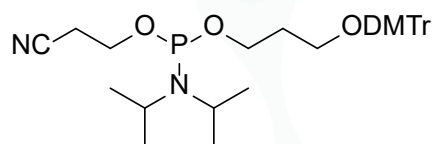
2-O-DMTr-Sulfonyldiethanol-CE-Phosphoramidite



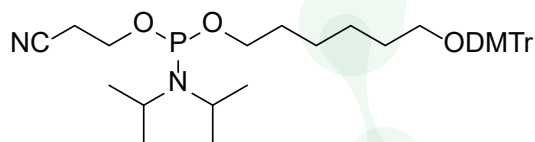
6-palmitamidoheptyl CE Phosphoramidite



5'-Amino-Modifier C6-TFA CE Phosphoramidite



Spacer C3 Phosphoramidite



Spacer C6 Phosphoramidite

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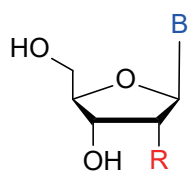
※Patented products are only sold to authorized customers or used solely for research purposes



核苷



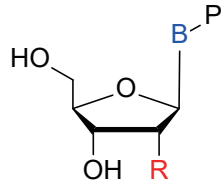
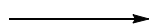
修饰性核苷



核苷

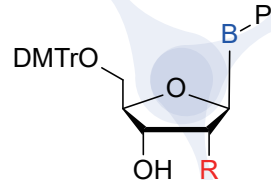
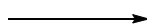
B = A, G, C, U, T base
P = Ac, Bz, iBu, dmf
R = H, OMe, F, OMOE, OTBDMS

- 2'-F-dA
- 2'-F-dU
- 2'-O-Me-rA
- 2'-O-Me-rU



N-2

- 2'-F-dA(Bz)
- 2'-F-dU(iBu)
- 2'-O-Me-rA(Bz)
- 2'-O-Me-rG(iBu)



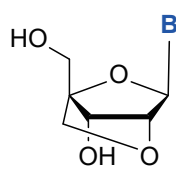
PNS

- 5'-DMTr-2'-F-dA(Bz)
- 5'-DMTr-2'-F-dG(iBu)
- 5'-DMTr-2'-O-Me-rA(Bz)
- 5'-DMTr-2'-O-Me-rG(iBu)

More...



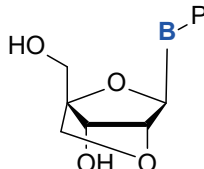
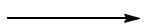
锁核苷



核苷

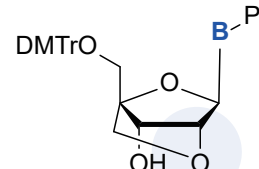
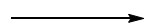
B = A, G, C, U, T base
P = Ac, Bz, iBu, dmf

- 2'-O-4'-C-Locked-5-Me-rU
- 2'-O-4'-C-Locked-5-Me-rC
- 2'-O-4'-C-Locked-rA
- 2'-O-4'-C-Locked-rG



N-2

- 2'-O-4'-C-Locked-rC(Bz)
- 2'-O-4'-C-Locked-5-Me-rC(Bz)
- 2'-O-4'-C-Locked-rA(Bz)
- 2'-O-4'-C-Locked-rG(iBu)

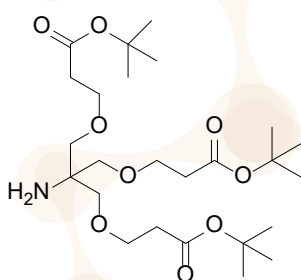


PNS

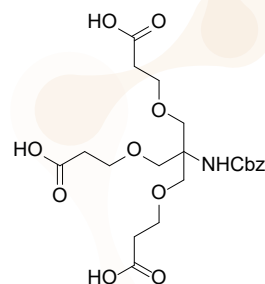
- 5'-DMTr-2'-O-4'-C-Locked-5-Me-rU
- 5'-DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)
- 5'-DMTr-2'-O-4'-C-Locked-rA(Bz)
- 5'-DMTr-2'-O-4'-C-Locked-rG(iBu)

More...

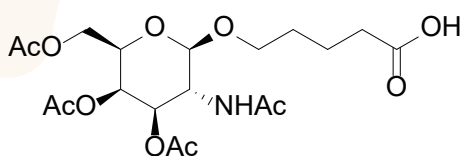
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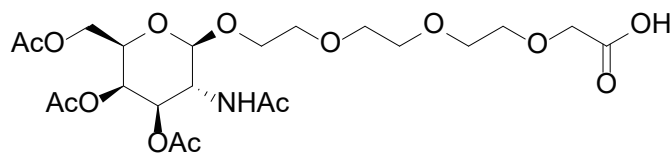
GalNAc-L96-tert-butyl ester



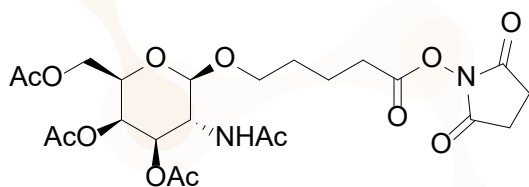
Peracetylated GalNAc-L96-Acid-1



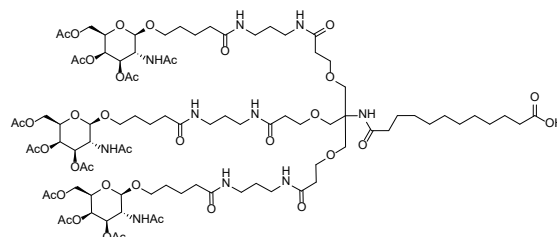
Peracetylated GalNAc Pentenoic Acid



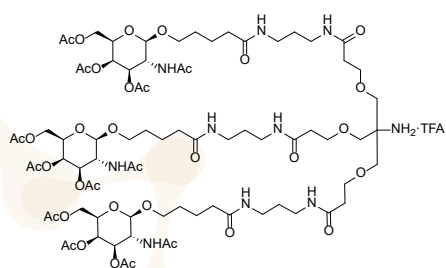
Peracetylated GalNAc PEG linker-Acid-1



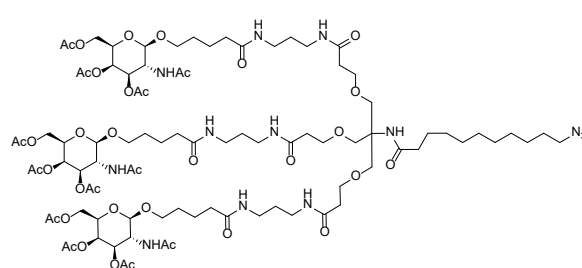
Peracetylated GalNAc succinimidyl pentanoate



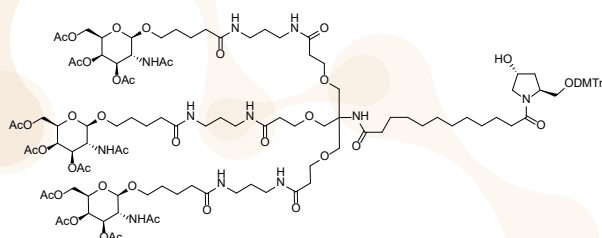
GalNAc-L96 Linker-Acid



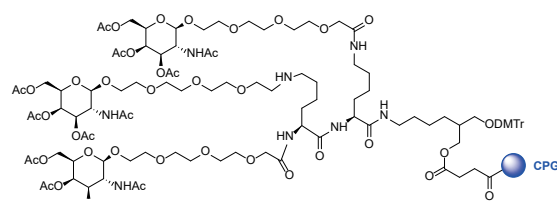
Peracetylated GalNAc-L96-Amine



GalNAc-L96 Linker-Azide

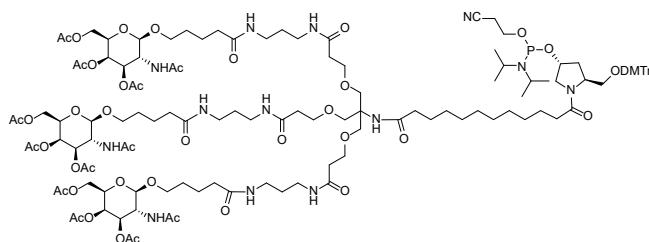


GalNAc-L96

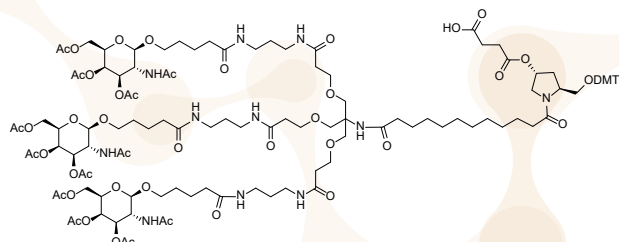


GalNAC-PEG-Cluster-1-CPG

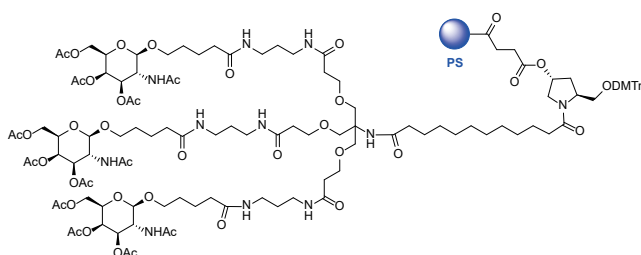
GalNAc



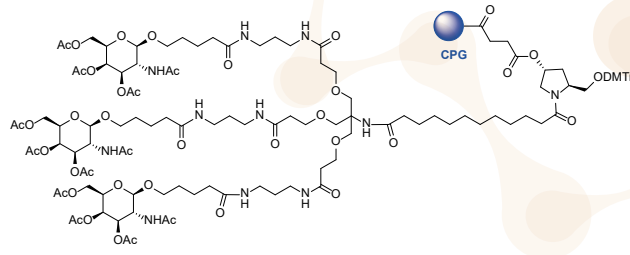
GalNAc-L96 Phosphoramidite



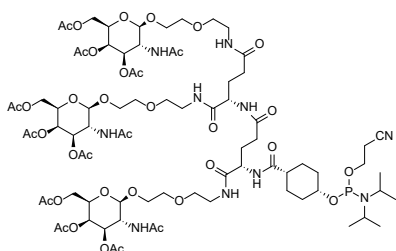
GalNAc-L96-SA



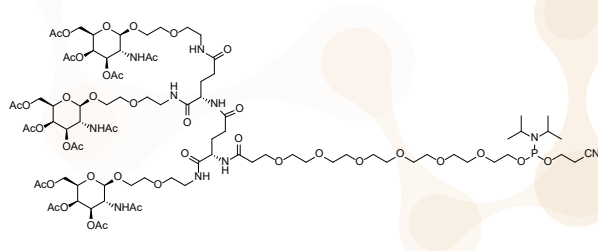
GalNAc-L96-PS



GalNAc-L96-CPG

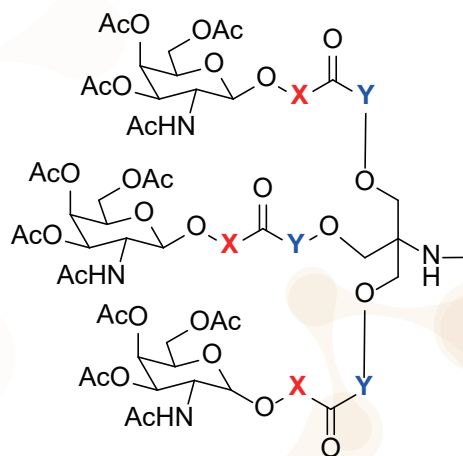


GalNAc-NAG-37 Phosphoramidite



GalNAc-NAG-25 Phosphoramidite

Other GalNAc



可接受客户定制

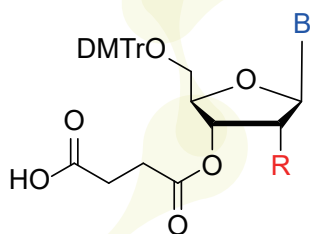
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Succinates



Succinates



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- DMTr-2'-F-dA(Bz)-3'-succinate, TEA salt
- DMTr-2'-F-dG(iBu)-3'-succinate, TEA salt
- DMTr-2'-F-dC(Ac)-3'-succinate, TEA salt
- DMTr-2'-F-dU-3'-succinate, TEA salt
- DMTr-2'-O-MOE-rG(iBu)-3'-succinate, TEA salt

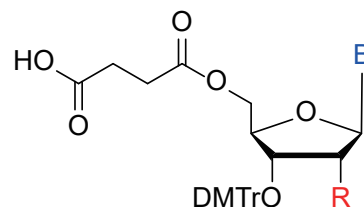
[More...](#)



Reverse Succinates

- 3'-DMTr-2'-F-dA(Bz)-5'-succinate, TEA salt
- 3'-DMTr-2'-F-dG(iBu)-5'-succinate, TEA salt
- 3'-DMTr-2'-F-dC(Ac)-5'-succinate, TEA salt
- 3'-DMTr-2'-F-dU-5'-succinate, TEA salt
- 3'-DMTr-2'-O-MOE-rG(iBu)-5'-succinate, TEA salt

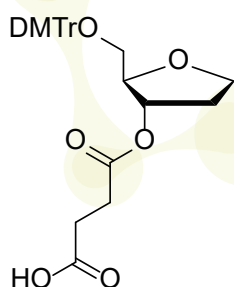
[More...](#)



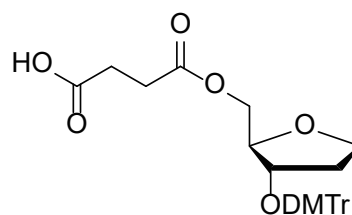
B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS



Abasic Succinates



- Abasic Succinate



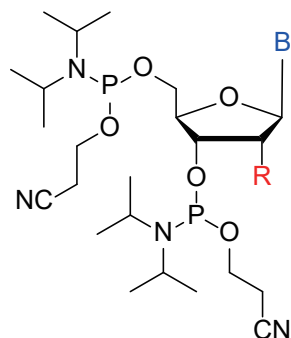
- Reverse Abasic Succinate



杂质标准品



3'-5'双磷杂质



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- 2'-O-Me-rC(Ac)-3',5'-Di-CE-Phosphoramidate
- 2'-O-Me-rA(Bz)-3',5'-Di-CE-Phosphoramidate
- 2'-O-MOE-rC(Ac)-3',5'-Di-CE-Phosphoramidate
- 2'-O-MOE-rA(Bz)-3',5'-Di-CE-Phosphoramidate

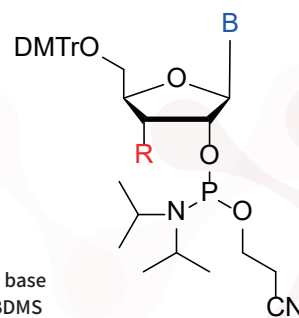
More...



2'-3'Reverse杂质

- DMTr-3'-O-Me-rU-2'-CE-Phosphoramidite
- DMTr-3'-O-Me-rA(Bz)-2'-CE-Phosphoramidite
- DMTr-3'-F-dU-2'-CE-Phosphoramidite
- DMTr-3'-O-MOE-rA(Bz)-2'-CE-Phosphoramidite

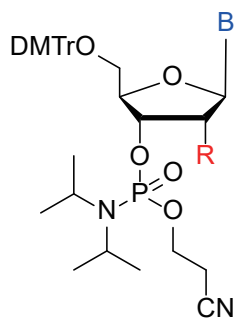
More...



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS



氧化杂质



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- DMTr-2'-O-Me-rC(Ac)-3'-CE-Phosphoramidate
- DMTr-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidate
- DMTr-2'-O-MOE-rC(Ac)-3'-CE-Phosphoramidate
- DMTr-2'-O-MOE-rA(Bz)-3'-CE-Phosphoramidate

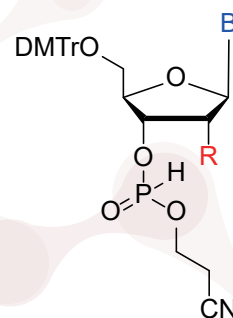
More...



水解杂质

- DMTr-2'-O-Me-rG(iBu)-3'-CE-H-Phosphonate
- DMTr-2'-O-Me-rC(Ac)-3'-CE-H-Phosphonate
- DMTr-2'-O-Me-rA(Bz)-3'-CE-H-Phosphonate
- DMTr-2'-O-MOE-rG(iBu)-3'-CE-H-Phosphonate

More...



B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

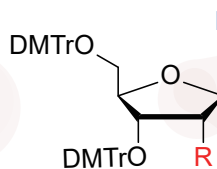
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杂质标准品



双DMTr杂质



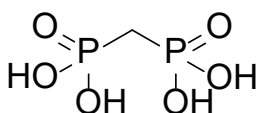
B = Protected A, G, C, U, T base
R = H, OMe, F, OMOE, OTBDMS

- 3'-5'-Di-DMTr-2'-O-Me-rC(Ac)
- 3'-5'-Di-DMTr-2'-O-Me-rA(Bz)
- 3'-5'-Di-DMTr-2'-O-MOE-rC(Ac)
- 3'-5'-Di-DMTr-2'-O-MOE-rA(Bz)

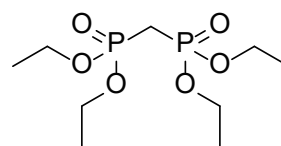
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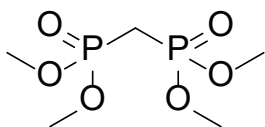
磷试剂



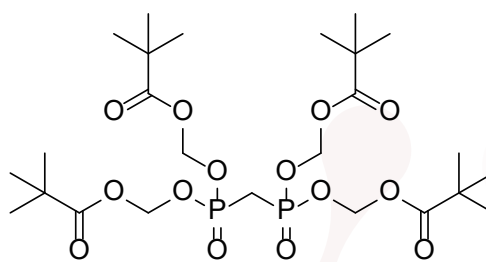
Methylenediphosphonic acid



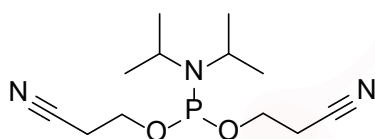
Tetraethyl methylenebis(phosphonate)



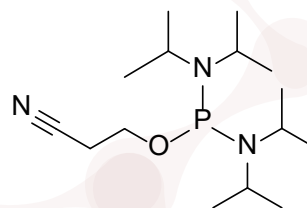
Tetramethyl methylenebis(phosphonate)



TetraPOM methylenebis(phosphonate)



BIS(2-CYANOETHYL)-N,N-DIISOPROPYL PHOSPHORAMIDITE



2-Cyanoethyl N,N,N',N'-tetraisopropyl phosphorodiamidite

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