

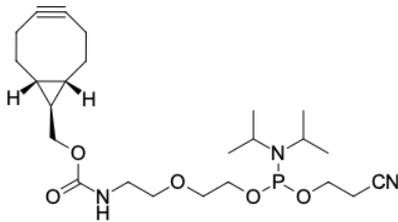
exo-BCN CE-phosphoramidite

<http://hk.lumiprobe.com/p/exo-bcn-ce-amidite>

BCN-containing phosphoramidite is added at the 5'-terminus of an oligonucleotide. BCN is reactive both to azides (strain-promoted azyde-alkyne cycloaddition, SPAAC) and [tetrazines](#) (inverse electron demand Diels-Alder reaction, IEDDA).

Coupling time is standard, like for amidites of natural nucleosides. Exclude the dimethoxytrityl (DMT) removal step and use the Dmt-ON protocol after amidite coupling and oxidation.

Use standard conditions for deprotection and ammonia solution, or AMA mixture (ammonium hydroxide / 40% methylamine, 1:1) for 2 hours at room temperature.



外观: 淡黄色油

质谱 M+ 增量: 343.11

分子量: 481.57

分子式: C₂₄H₄₀N₃O₅P

溶解度: 乙腈良好

质量控制: NMR ¹H、NMR ³¹P (95%)

储存条件: 收到後 -20°C 避光保存 12 個月。運輸: 室溫最多可保存3週。乾燥。

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