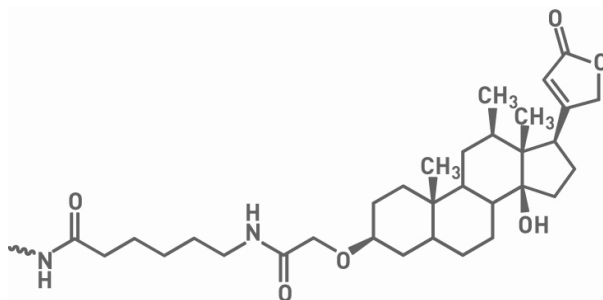


Digoxigenin NHS Ester

Structure



Key data

Extinction Coef (260 nm): 13,000

5' Mw: 722.9 g/mol

3' Mw: 722.9 g/mol

Requires HPLC purification

Properties

Digoxigenin is a small hapten that can be conjugated to amino-modified oligos. Anti-digoxigenin antibodies allow capture or detection of a digoxigenin-labeled oligo and can be used in a variety of assay formats much like biotin/streptavidin.

The digoxigenin labeled LNA ISH probes have displayed unprecedented results for the detection of miRNAsⁱ.

Digoxigenin can be inserted in the 3'-end, the 5'-end and in both ends. The digoxigenin is attached to standard amino C6-linker.

ⁱ G. Obernosterer, J. Martinez, M. Alenius "Locked Nucleic acid-based in situ detection of miRNAs in mouse tissue sections" Nat. Protoc. **2007** (2),6, 1508-1514