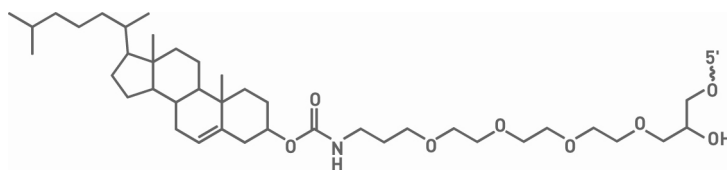


## 3'-Cholesteryl TEG

### Structure



### Key data

3' Mw: 756g/mol

Requires HPLC purification

### Properties

Cholesterol can be conjugated to oligonucleotides and can facilitate uptake into cells. It has been used as a transfection aid for antisense oligos and siRNAs, both in vitro and in vivo.<sup>i,ii</sup> Cholesterol is a very hydrophobic modification that is best purified using RP-HPLC.

<sup>i</sup> R. Juliano, Md. Rowshon Alam, V. Dixit, H. Kang "Mechanisms and Strategies for effective delivery of antisense and siRNA oligonucleotides" *Nucleic Acid Res.* **2008** (36) 4158-4171

<sup>ii</sup> J. Krützfeldt, N. Rajewsky, R. Braich, KG Rajeev, T. Tuschl, M. Manoharan, M. Stoffel "Silencing of microRNAs in vivo with antagomirs" *Nature* **2005** (438), 7068, 685-689