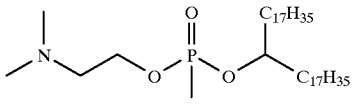
-continued

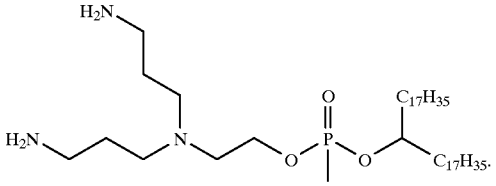
```
        (D) TOPOLOGY:          linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GGTATATCCA GTGATCTTCT TCTC                                    24


(2) INFORMATION FOR SEQ ID NO:9:

     (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH:            21 base pairs
        (B) TYPE:              nucleic acid
        (C) STRANDEDNESS:      single
        (D) TOPOLOGY:          linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

GGUAUAUCCA GUGAUCUUCU T                                       21
```

We claim:

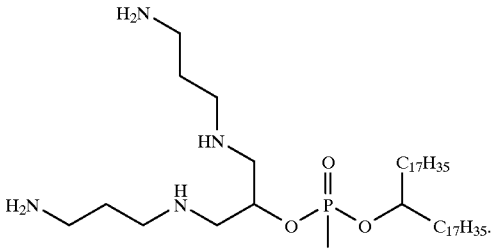
1. A phosphonic acid ester of the structure:



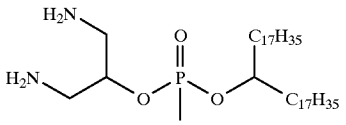
2. A phosphonic acid ester of the structure:



3. A phosphonic acid ester of the structure:



4. A phosphonic acid ester of the structure:



5. A comaosition comprising a polyanionic macromolecule and a lipid according to claims **1**, **2**, **3** or **4**.

6. A composition according to claim **5** wherein the polyanionic macromolecule comprises an expression vector, capable of expressing a polypeptide in a cell.

7. A composition according to claim **5** wherein the polyanionic macromolecule is an oligonucleotide or an oligomer.

8. A composition according to claim **5** wherein the polyanionic macromolecule is DNA.

9. A kit for delivering a polyanionic macromolecule into a cell comprising the composition of claim **5**.

* * * * *