

Title (en)
LIPOPHILIC OLIGONUCLEOTIDE ANALOGS

Title (de)
LIPOPHILE OLIGNUCLEOTIDANALOGA

Title (fr)
ANALOGUES LIPOPHILES D'OLIGONUCLEOTIDES

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Application
EP 96926831 A 19960731

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• CA 2261704 A 19960731
• US 9612530 W 19960731

Abstract (en)
[origin: WO9804575A2] The invention discloses lipophilic oligonucleotide analogs that are capable of efficient passive diffusion across cell membranes. These oligonucleotides contain at least two nucleotide residues and have an octanol:water partition coefficient of about -0.3 to + 2.5 and a solubility in water of at least 0.001 μ g/mL. Invention embodiments which include lipophilic oligonucleotide analogs having either at least 60 % of the internucleotide linkages are lipophilic, or at least 60 % of the bases contain lipophilic substitutions, or at least 60 % of the sugars contain lipophilic substitutions, or a combination of these sums to 60 %. These oligonucleotides may be conjugated to a label and used to visualize cells or subcellular compartments.

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