

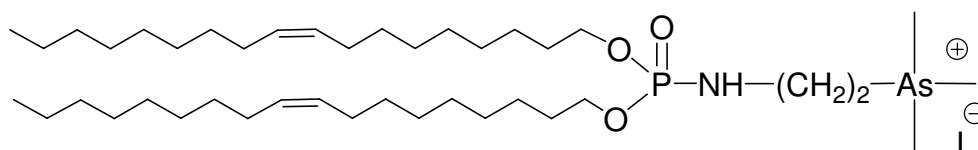
Transfection *in vivo*

1. KLN47	2
2. BSV4	3

Transfection *in vivo*

1. KLN47

Structure



Référence

"lipophosphoramidates and lipophosphoguanidines are very efficient for *in vivo* DNA delivery"

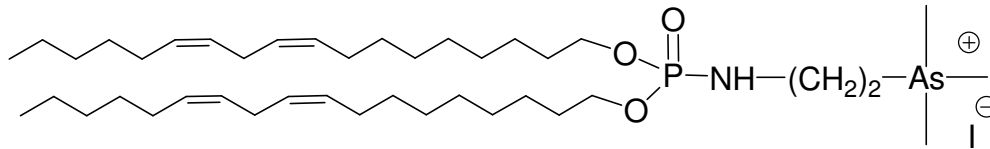
Picquet, E.; Le Ny, K.; Del_epine, P.; Montier, T.; Yaouanc, J. J.; Cartier, D.; des Abbayes, H.; Férec, C.; Clément, J. C. Cationic
Bioconjugate Chem. **2005**, *16*, 1051–1053.

Prix/disponibilité : nous contacter (tristan.montier@univ-brest.fr)

Transfection *in vivo*

2. BSV4

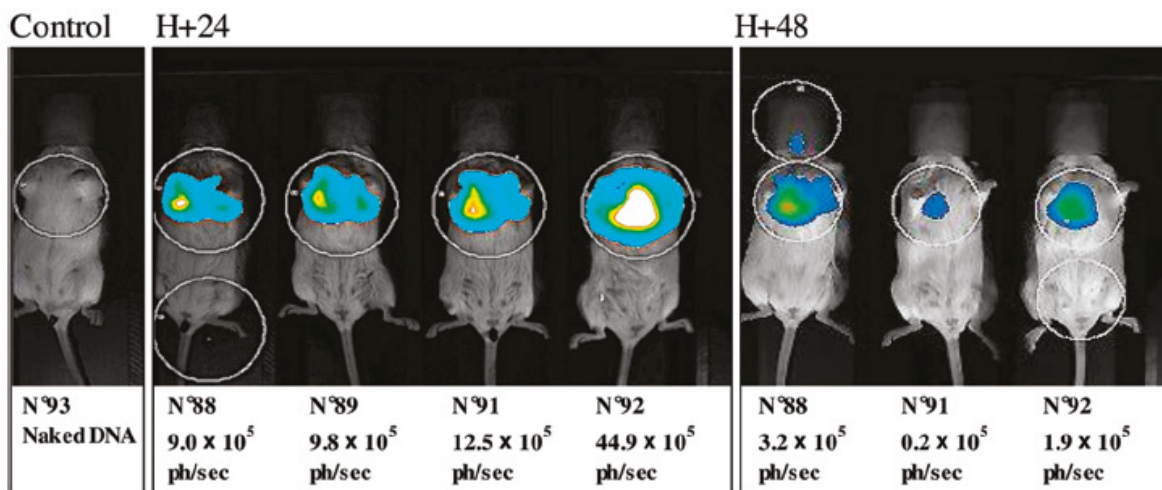
Structure



Efficacité

Plasmid : pTG11033 (9.6 kb) from Promega (France)

Injection : IV



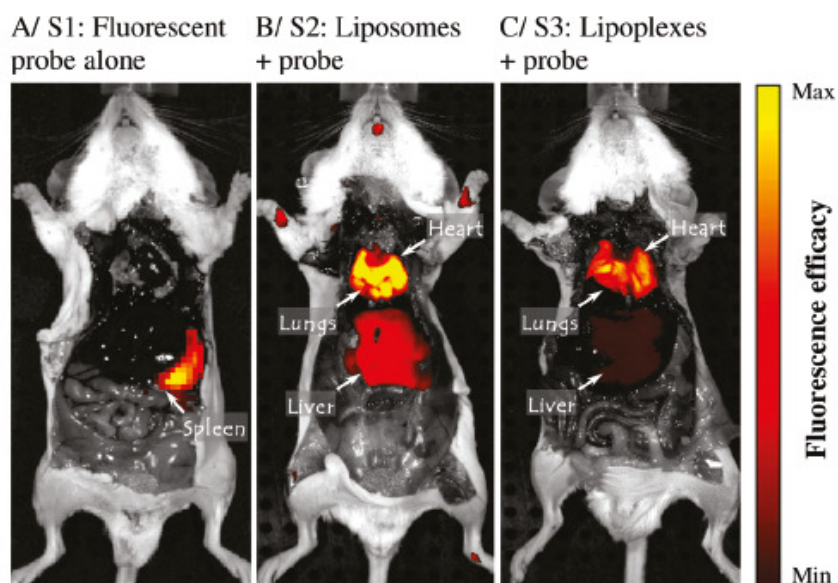
Biodistribution

Fluorescent probe :

DiR [DiI18(7), 1,10-dioctadecyl-3,3,30,30-tetramethylindotri-carbocyanine iodide; Invitrogen, U.K.]

Visualization:

IVIS Spectrum device (Xenogen, France) with a 700 nm excitation filter and a 780 nm emission filter.



Référence

"A novel cationic lipophosphoramidate with di-unsaturated lipid chains : synthesis, physico-chemical and transfection activities."

Le Gall, T. ; Loizeau, D. ; Picquet, E. ; Carmoy, N. ; Yaouanc, J.J. ; Deschamps, L. ; Delépine, P. ; Giamarchi, P. ; Jaffrès, P.A. ; Lehn, P. ; Montier T.

J. Med. Chem. **2010**, *53*, 1496-1508.

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