

Title (en)

PURIFICATION OF OLIGODEOXYNUCLEOTIDE PHOSPHOROTHIOATES USING ANION EXCHANGE CHROMATOGRAPHY

Title (de)

AUFREINIGUNG VON OLIGODESOXYNUKLEOTID-PHOSPHOROTHIOATEN DURCH ANIONENAUSTAUSCHCHROMATOGRAPHIE

Title (fr)

PURIFICATION DE PHOSPHOROTHIOATES D'OLIGODESOXYNUCLEOTIDES PAR CHROMATOGRAPHIE PAR ECHANGE D'ANIONS

Publication

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Application

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Priority

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- US 22547594 A 19940408

Abstract (en)

[origin: WO9527718A2] The present invention provides improved methods for separating and purifying oligonucleotide phosphorothioates. For the first time, we used DMAE ion-exchange chromatography to separate and purify oligonucleotide phosphorothioates. We found that by varying the conditions employed, excellent separation can be obtained. In particular, we have been able to use a higher pH and lower salt concentrations than previously reported in the literature to obtain chromatographic separation of oligonucleotide phosphorothioates having length up to about 35 nucleotides.

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Citation (search report)

See references of WO 9527718A2

Citation (examination)

- JOURNAL OF CHROMATOGRAPHY, vol. 599, no. 1-2, 1992 AMSTERDAM NL, pages 35-42,
- BERGOT, B. JOHN ET AL 'Separation of synthetic phosphorothioate oligodeoxynucleotides from their oxygenated (phosphodiester) defect species by strong-anion-exchange high-performance liquid chromatography'

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