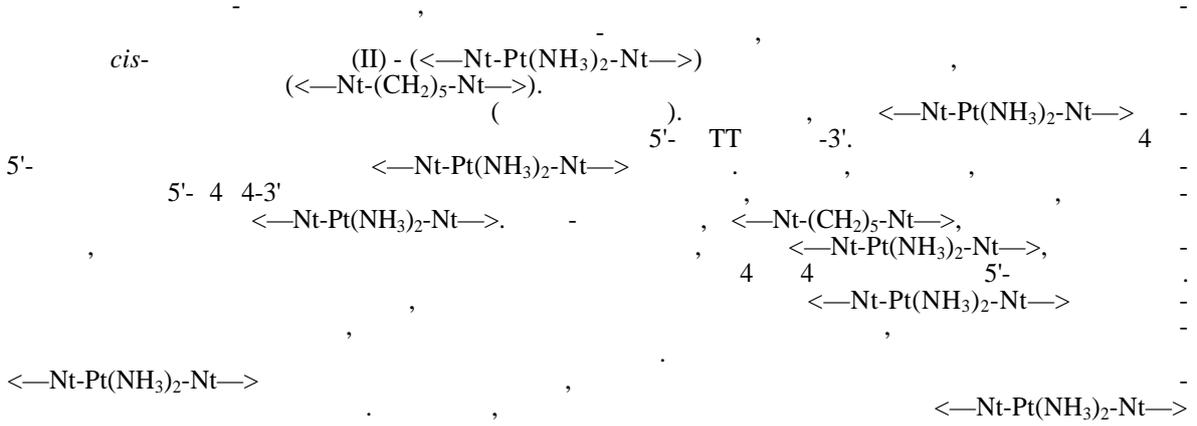


577.323

© 1999 1, 2, 1, 3, 3, 1, 1, 117984

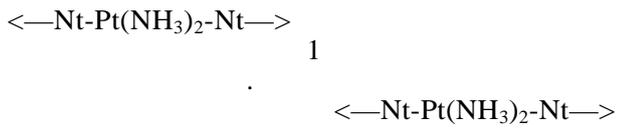
1 2 3

27.05.98 .

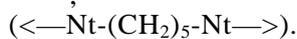


[8],
 [9], *cis*- (II) [10].
 [1].
 [2-4] [5]
 NH- N3 O2 ()
 [6,7].
 N3-NH₂-rpy₂na
 5'- TT -3'
 <—Nt-Pt(NH₃)₂-Nt—>
 [d()• d(AT)]

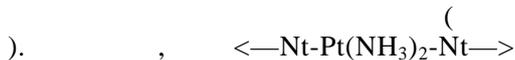
5'- ()_n -3' n=4, 5 6 [11].



GC, I , CI II



. 1.



[10].

42000 -1 -1.

(Applied Biosystems)



297

5'-CGTTTTAAAACG-3' (1), 5'-CGAAAATTTTCG-3' (2),
 5'-CGTTTTCAAACG-3' (3), 3'-CGTTTCAAACG-3' (a),
 3'-GCAAAGTTTGC-5' (b), 5'-GAAACCTTTGC-3' (c),
 3'-GCTTTGGAAAGC-5' (d), 3'-GCAAIIITTTGC-3' (e),
 3'-GCTTTIIAAAAGC-5' (f), 5-CCTTTTTCIAAAACC-
 -3' (i), 3'-GGAAAAICTTTTGG-5' (k).

90° 260

260 112200
 1 2, 119600 - 3, 127000 -
 135800 b, d, f,
 147200 - i, 164800 -
 + d(V), a+e (VI), + f(VII), i+k (VIII),
 + b(IV),

90°

8-10

(1)
).



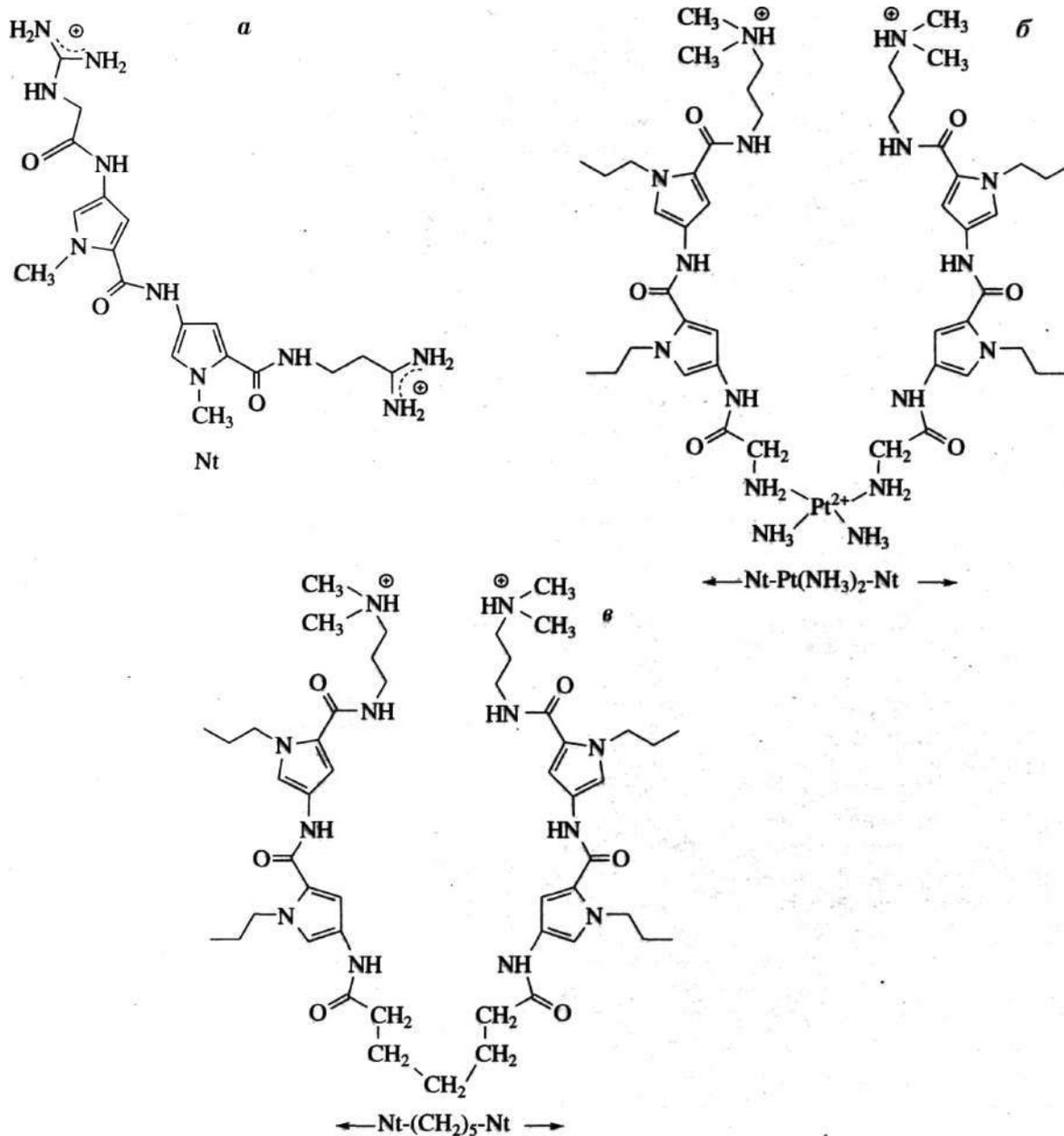
5'-CGTTTTAAAACG-3' 5'-CGAAAATTTTCG-3'
 3'-GCAAATTTTGC-5' (I) 3'-GCTTTTAAAAGC-5' (II)

5-CGTTTICAAACG-3' 5'-CGTTTCAAACG-3'
 3-GCAAACITTTGC-5' (III) 3'-GCAAAGTTTGC-5' (IV)

5'-CGAAA TTTTCG-3' 5'-CGTTTCAAACG-3'
 3'-GCTTTGGAAAGC-5' (V) 3'-GCAAIIITTTGC-5' (VI)

5'-CGAAACCTTTTCG-3' 5'-CCTTTTTCIAAAACC-3'
 3'-GCTTTIIAAAAGC-5' (VII) 3'-GGAAAAICTTTTGG-3' (VIID)

Jasco-720,



1. $\leftarrow \text{Nt} \rightarrow$ (), (), - $\leftarrow \text{Nt-Pt}(\text{NH}_3)_2\text{-Nt} \rightarrow$ ($\leftarrow \text{Nt}-(\text{CH}_2)_5\text{-Nt} \rightarrow$) ().

N-

1.0, 0.1 0.2 . -

IE. -

Aminco SPF-1000 Sc, 540 -

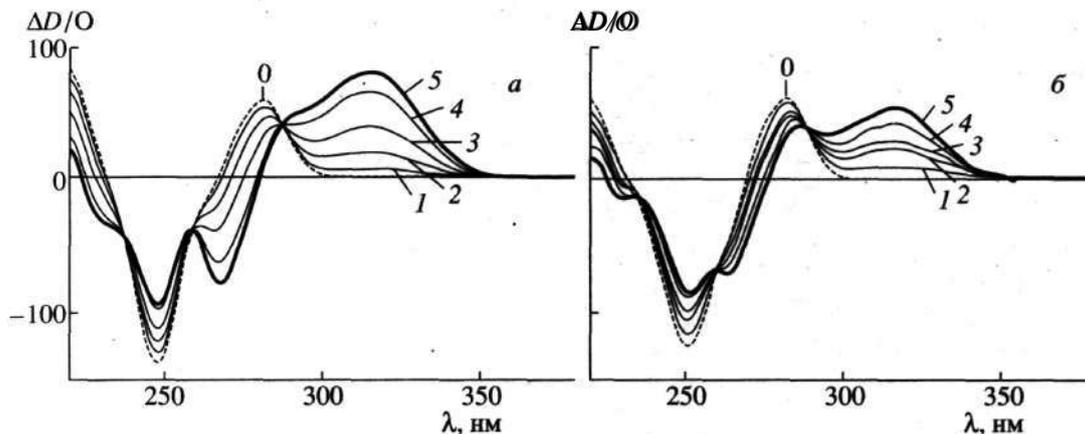
600 . 10 -

0.001 ,

(7.0) 0.1 NaCl. .2

$\leftarrow \text{Nt-Pt}(\text{NH}_3)_2\text{-Nt} \rightarrow$ ($\leftarrow \text{Nt}-(\text{CH}_2)_5\text{-Nt} \rightarrow$) () $\leftarrow \text{Nt-Pt}(\text{NH}_3)_2\text{-Nt} \rightarrow$

$\leftarrow \text{Nt}-(\text{CH}_2)_5\text{-Nt} \rightarrow$
I u II



2. I(5'-CGTTTTTAAAACG-3') () (5'-CGAAAATTTTCG-3') () I 28 mk 17.5 mk
 ΔD/O - 1 - 0 (0), I (0.09), 2 (0.27), 3 (0.55), 4 (0.91),
 5 (1.91); 0.1 NaCl, 20° : 0.001 Na- (7.0)

5'-CGTTTTTAAAACG-3' (I) 5'-
 CGAAAATTTTCG-3' (II).
 <—Nt-Pt(NH₃)₂-Nt—>

I 3 NaCl, II 1 NaCl
 <—Nt-Pt(NH₃)₂-Nt—> I, 5'-

288, 247 227
 -Nt—> I
 300 350

I. [12,13] AT
 5'-... T ...-3'
 <—Nt-Pt(NH₃)₂-Nt—>. II,

315 AD/O₃₁₅ = 70
 <—Nt-Pt(NH₃)₂-Nt—> I 50
 II.

, (<—Nt-(CH₂)₅-Nt—>) I u II

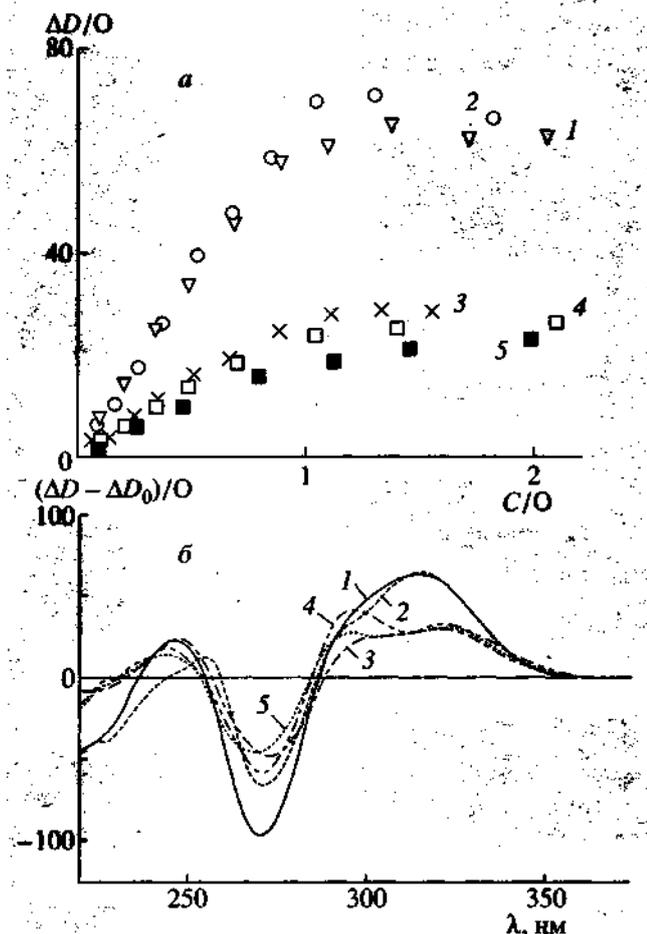
= 33 [9]. ΔD/ 316 =
 <—Nt-Pt(NH₃)₂-Nt—> I II

I <—Nt-Pt(NH₃)₂-Nt—> I II

<—Nt-Pt(NH₃)₂-Nt—> I
 1:1, . . .

(75) (50). <—Nt-Pt(NH₃)₂-Nt—> I
 I II (. 36). <—Nt-Pt(NH₃)₂-Nt—>

.4 <—Nt-(CH₂)₅-Nt—>
 I II. 1:1, <—Nt-Pt(NH₃)₂-Nt—> I



5. $\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$ 310
 VI - I (40), VIII - 2
 (30 mk), -3 (25 mk), IV - 4 (4.0 mk), V - 5 (4.2 mk) ().

$\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$ - (3), IV - (4),
 V - (5), VI - (), VIII - (2) (b).

$\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 III, IV V

$\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 1. $\Delta D - \Delta D_0$

$\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$ (II)

I,

cis-

$\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 I uII
 $\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 I II,
 /T
 (I) / (II)
 TICA/TICA (III), TCCA/TGGA
 IV), ACCT/AGGT (V), TCCA/TI-
 IA (VI), / II (VII)
 TCIA/TCIA (VIII).
 2-
 III, VI VIII II, I I II
 CI
 III
 5'.. I..-3' (III)
 VIII),
 I. .5
 $\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 IV, V, VI VIII.
 (.5)
 1 : 1
 III, IV V'
 VI VIII.
 VI VIII
 , IV V,
 $\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 310
 [15].
 $\langle\text{---Nt-Pt}(\text{NH}_3)_2\text{-Nt---}\rangle$
 VIII,
 III,
 III, VIII

III -

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$
GC-

IV V (25-27,

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$

.5

VI VIII,
III, IV, V,

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$

III, IV, V,

[11],

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$, IV V

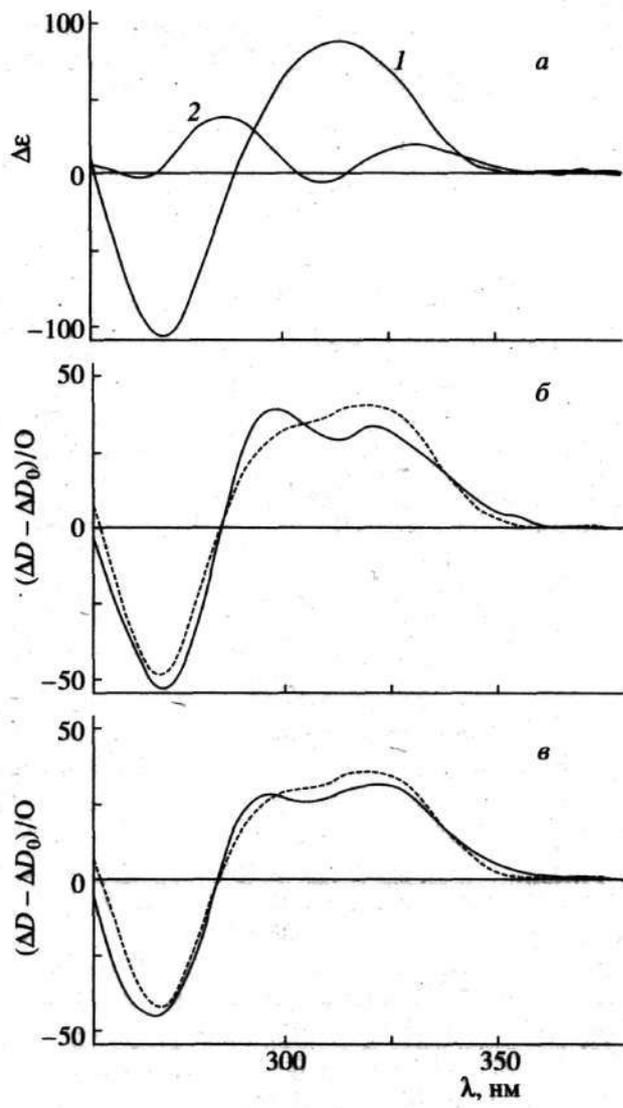
$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$

[15] .6 .6 62%

V $\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$ IV

58% 42% - IV,

V



.6.

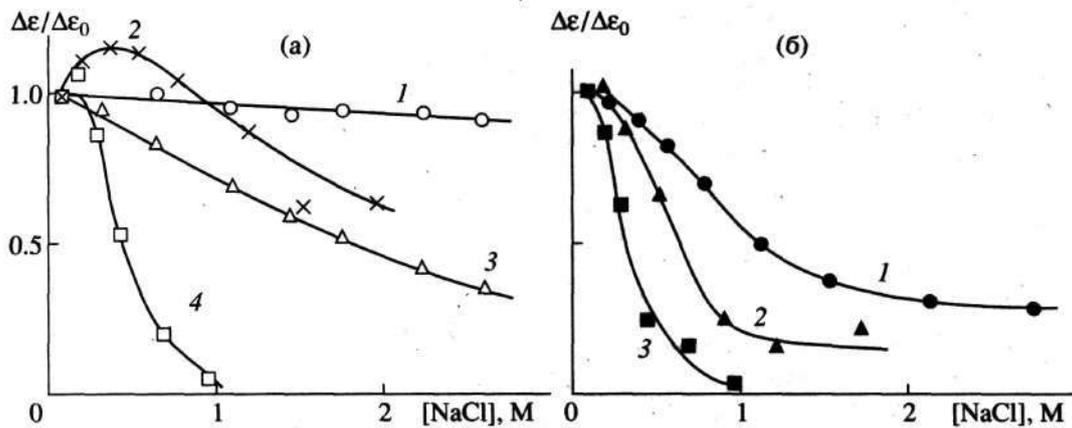
$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$ (/)
(2) () ; ()

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$
IV () V () . AD AD₀ -

45% 55% 38%

$\langle \text{---Nt-Pt(NH}_3)_2\text{-Nt---} \rangle$

GC- ap, IC-



7. $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$ I-VII, NaCl. a -
 I - (7), III - (2), VI - (3) IV - (4), (4 5'-) ; 6 -
 (4 5'-). ϵ_0 - (7), VII - (2) V - (5),
 0.1 NaCl.

$\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$

1. $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$ 5'-CGTTT-
 TAAAACG-3' 4
 $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$

GC- (3 4)
 5'- 4
 (. 16, 7, 2, 3).

$\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$ I, 4-
 5'- (. 1, 1).
 II, Cl I
 $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$.
 $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$
 III (. 1, 2)
 NaCl $\Delta E/\Delta E_0$

0.6 NaCl, $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$
 : III
 NaCl
 [11],
 $\langle \text{---Nt-Pt(NH}_3\text{)}_2\text{-Nt---} \rangle$

GC-nap IV V
 (97-04-49047 98-04-49220), Deutsche Volkswagen Stiftung (AZ.I/70409)
 (03.003 -332).

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