

Skript zur Vorlesung Allgemeine Chemie I

Educational Material

Author(s):

Nesper, Reinhard Friedrich

Publication date:

2001

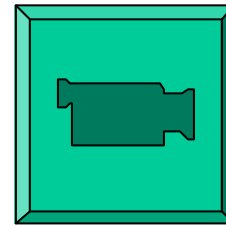
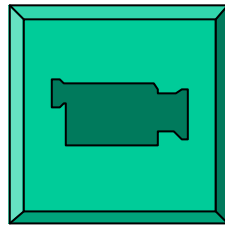
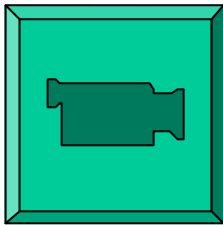
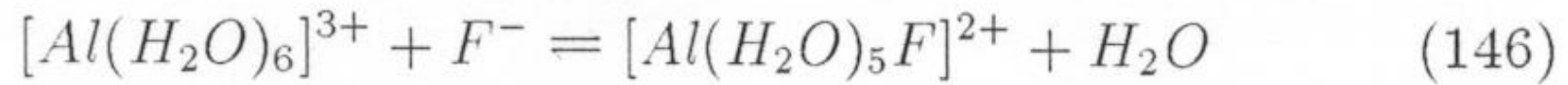
Permanent link:

<https://doi.org/10.3929/ethz-a-004324518>

Rights / license:

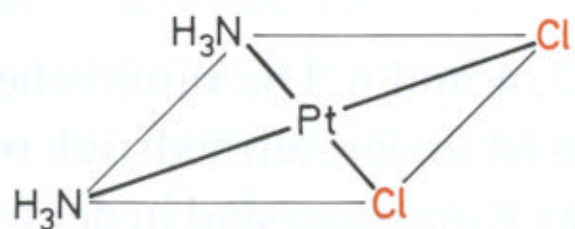
[In Copyright - Non-Commercial Use Permitted](#)

Komplexere Komplexe

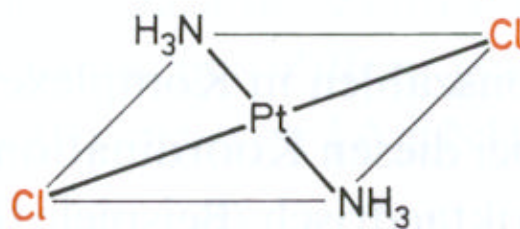


Isomerie von Komplexen

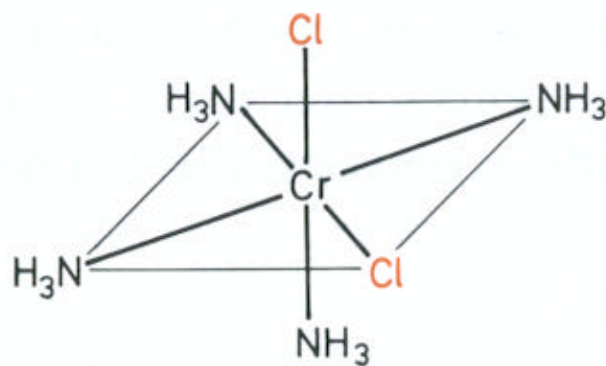
Konfigurationsisomerie



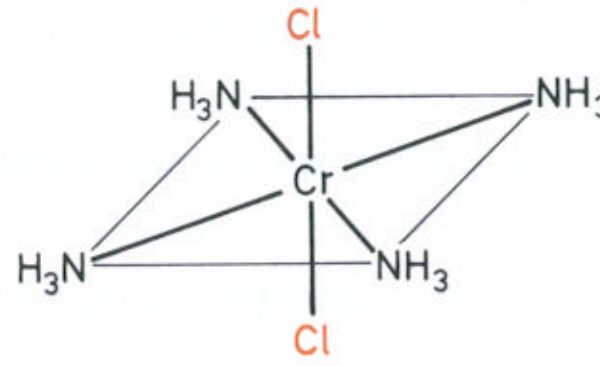
cis-Form



trans-Form



cis-Form

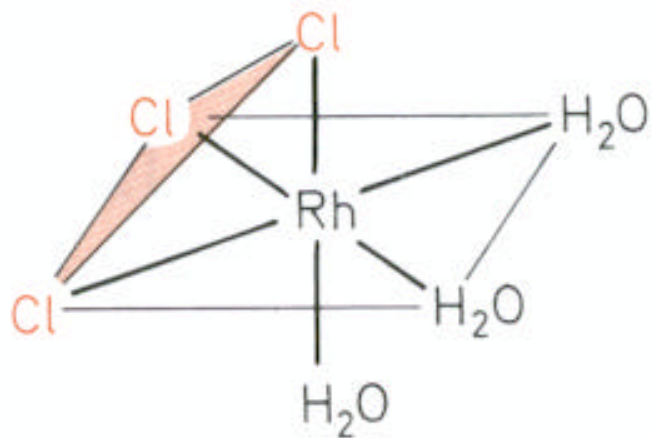


trans-Form

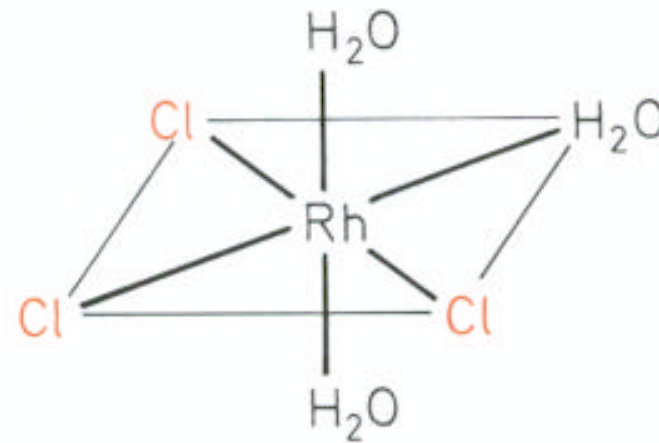
Isomerie von Komplexen

Konfigurationsisomerie

Beispiel $[\text{Rh}(\text{H}_2\text{O})_3\text{Cl}_3]$



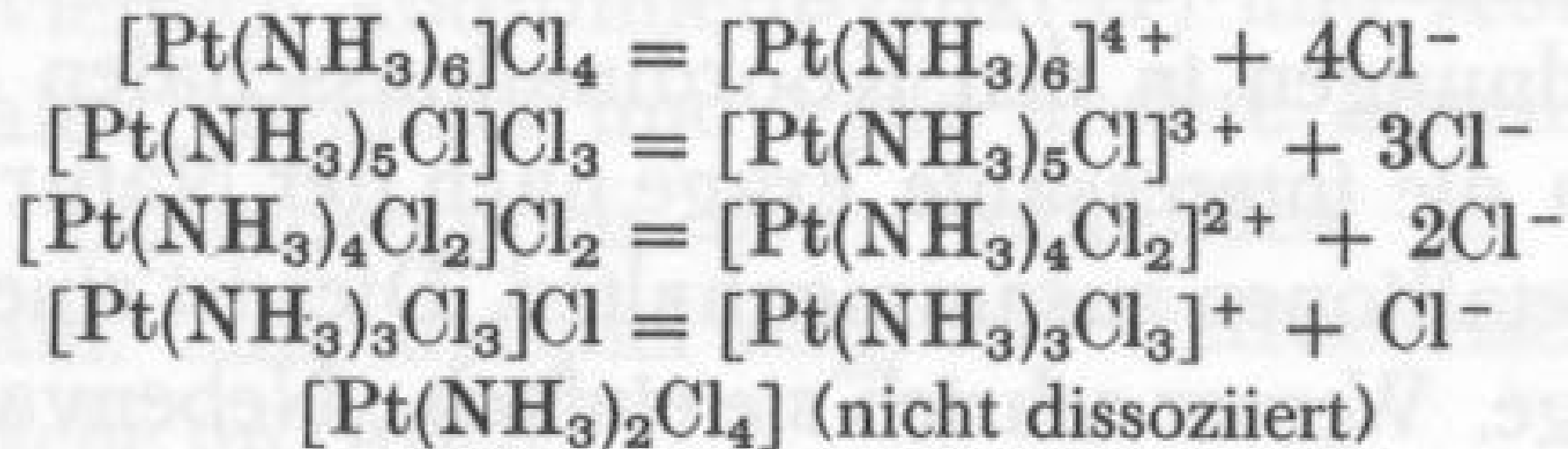
fac-Form



mer-Form

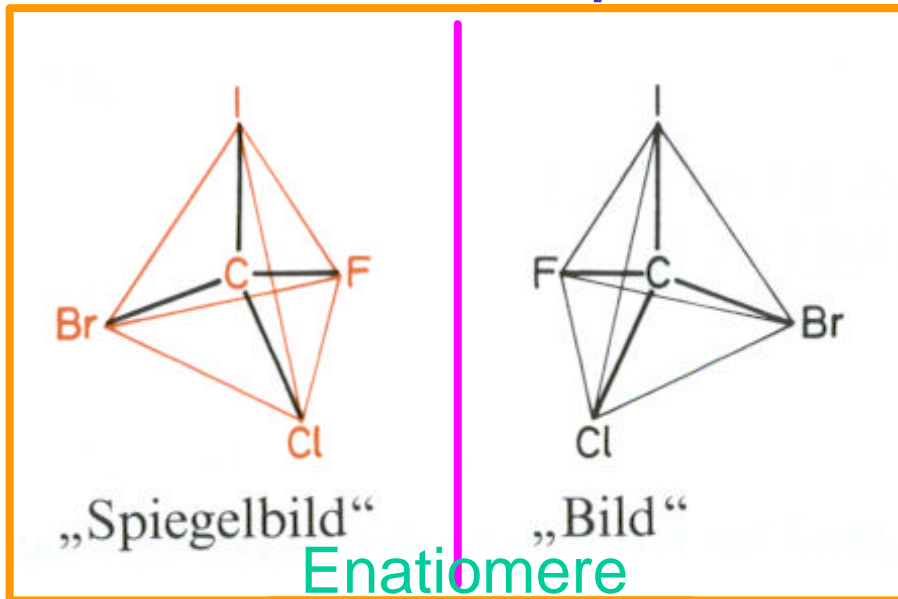
Isomerie von Komplexen

Konfigurationsisomerie



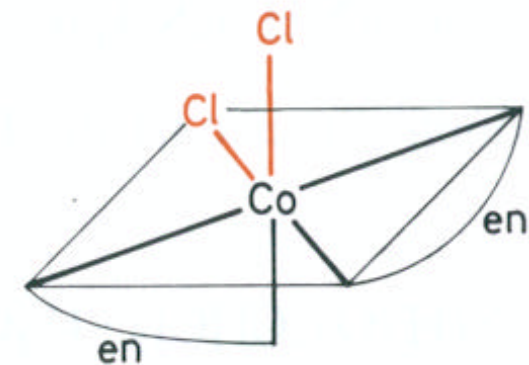
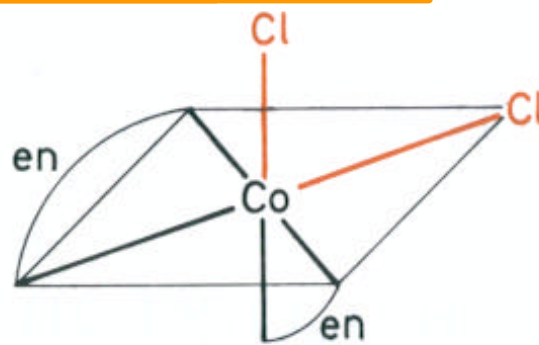
Isomerie von Komplexen

Optische Isomerie



Racemat

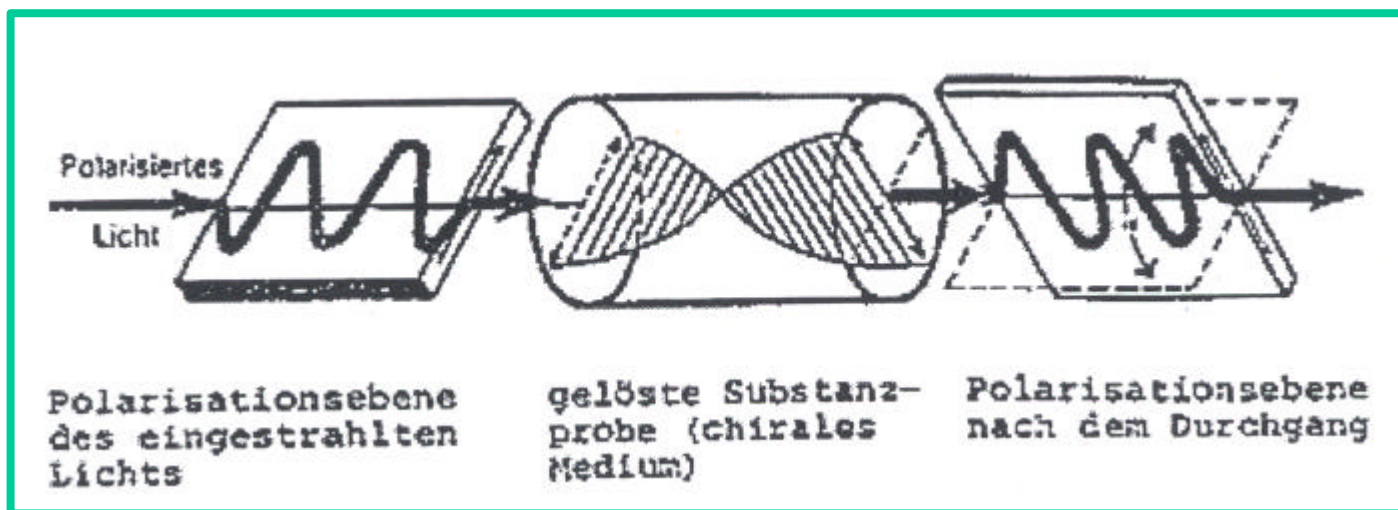
Enantiomere



Isomerie von Komplexen

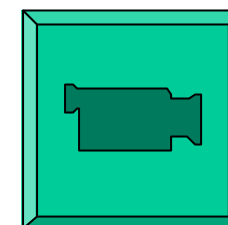
Optische Isomerie

Alle physikal. Parameter sind gleich ausser : opt. Drehung



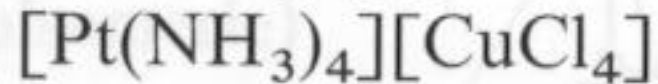
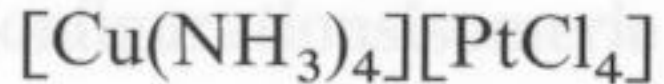
Links drehend : (+) (+) $[\text{Co}(\text{en})_3]$

Rechts drehend: (-) (-) $[\text{Co}(\text{en})_3]$



Isomerie von Komplexen

Koordinationsisomerie



Isomerie von Komplexen

Bindungsisomerie

