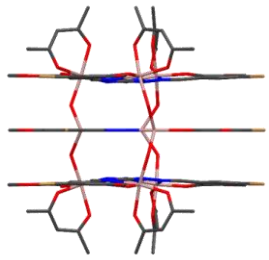
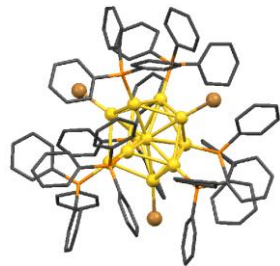


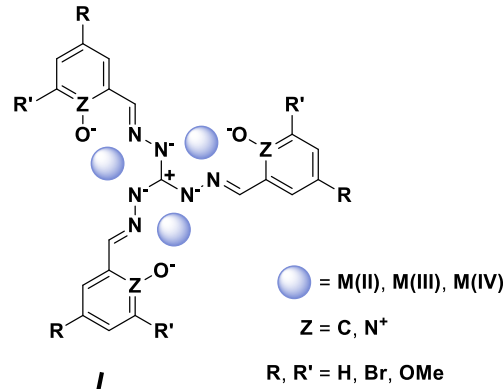
Dimere & Polymere



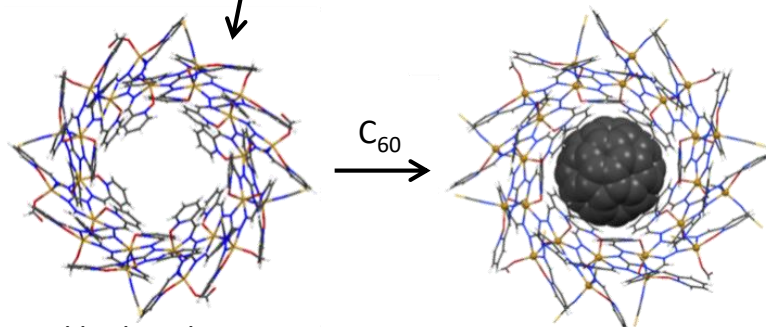
Schichtstrukturen



Goldcluster



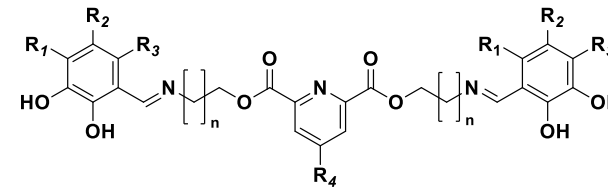
Wirt-Gast-Chemie



Zyklische Oligomere

C_2 -symmetrische Liganden

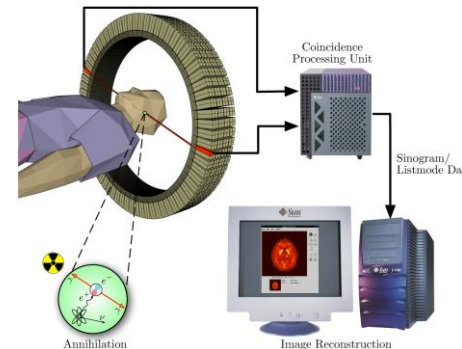
Für medizinische Anwendungen



Design und Synthese von Liganden für kalte Metallkationen

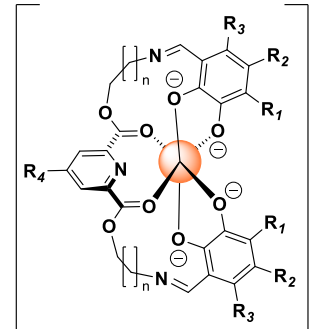
$\text{O} = \text{Ti(IV)}, \text{Zr(IV)}, \text{Sc(III)}, \text{Y(III)}$

$\text{R}_1, \text{R}_2, \text{R}_3 = \text{H}, \text{OH}, \text{OCH}_3 \dots$
 $\text{R}_4 = \text{H}, \text{OH}, \text{OCH}_3, \text{Cl}, \text{Bio-Liganden} \dots$
 $n = 1, 2, 3$



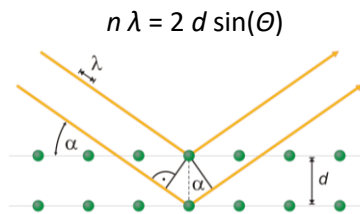
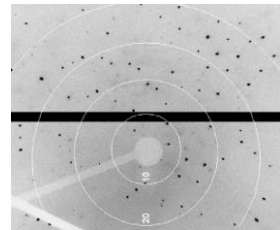
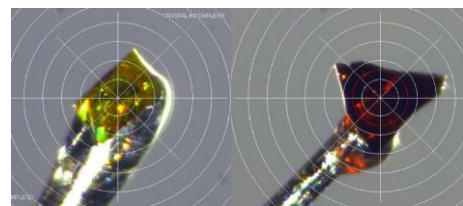
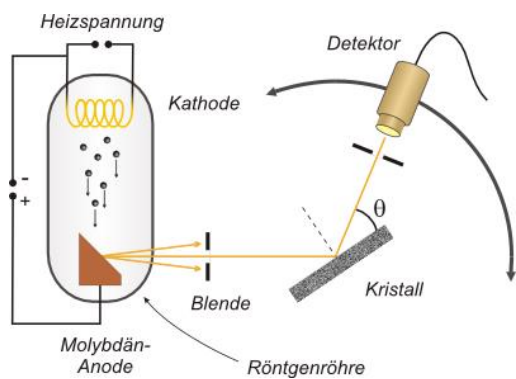
Anwendungsziel: med. Bildgebung mittels Positronen-Emissions-Tomographie (PET)

$\text{M} = {}^{45}\text{Ti}, {}^{89}\text{Zr(IV)}$

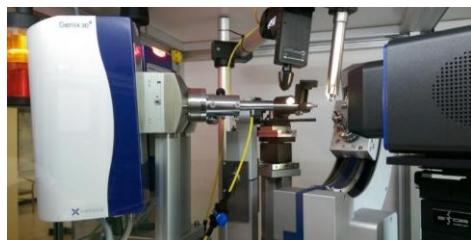
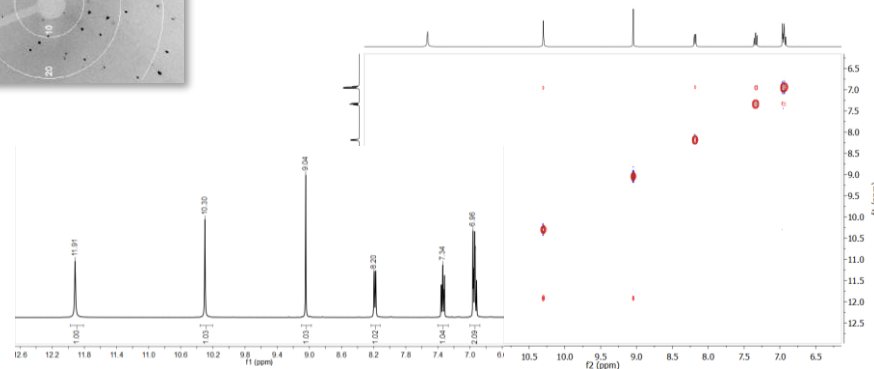


Ausschluss von Konkurrenzreaktionen

Einkristallröntgendiffraktometrie



NMR-Spektroskopie (homo/heteronuklear, 1D und 2D)



Analytik

Kontakt

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