

Darstellung und Kristallstruktur von *mer*-[Os(NCS)₃Py₃]

Synthesis and Crystal Structure of *mer*-[Os(NCS)₃Py₃]

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mer-Triisothiocyanato-tris(pyridine)osmium(III), Crystal Structure

By reaction of K₃[Os(NCS)₃(SCN)₃] with pyridine and glycerine the complex *mer*-[Os(NCS)₃Py₃] is formed. The X-ray structure determination on a single crystal (monoclinic, space group C2/c, $a = 18.6156(12)$, $b = 15.9448(7)$, $c = 19.555(2)$ Å, $\beta = 94.657(7)^\circ$, $Z = 8$) reveals that the nearly linear thiocyanate groups are exclusively bonded via the N atoms with Os-N-C angles ranging from 169.9° to 177.7° .

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