

**Synthesis and Molecular Structure of
[Fe₂Cl₂(μ-S-*t*Bu)₂(η¹-η¹-μ-dppe)]
(dppe = Ph₂P(CH₂)₂PPh₂)**

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The red title compound was synthesized by the metathesis reaction of [FeCl₂(dppe)] (dppe = Ph₂PCH₂)₂PPh₂) and NaS-*t*Bu in THF. The X-ray structure analysis revealed a dinuclear complex with two iron(II) centers coordinated in a distorted tetrahedral fashion by two bridging thiolates, one bridging dppe molecule and one terminal chloro ligand.

Key words: Dinuclear Complexes, Iron, Thiolates