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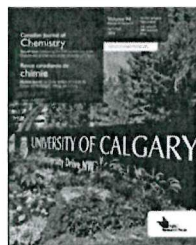
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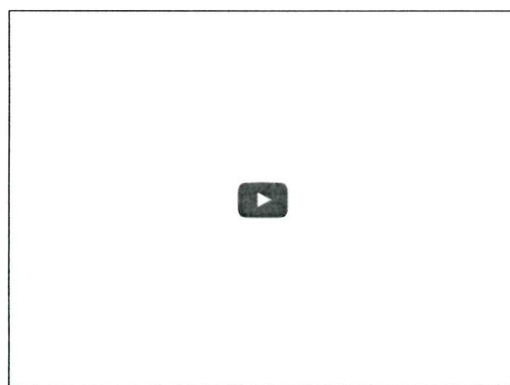


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1,2-Dicyanoferrrocene: synthesis and characterization

Mohammad A. Abdulmalic, Steve W. Lehrich, Heinrich Lang, and Tobias Rüffer

Ferrocene, first described in 1951, is one of the molecules whose discovery opened new areas of chemistry, namely of the burgeoning field of organometallic chemistry. Additionally, as known from innumerable reports about its organic counterpart benzene, ferrocene allows substitutions on demand. Ferrocene-based molecules are thus not laboratory curiosities anymore but found use in homogeneous catalysis, stereoselective and asymmetric transformations, as anticancer reagents and more. Compared to several mono-substituted molecules, the number of especially 1,2-disubstituted ferrocenes is much smaller. Here, we report on an easy-to-follow synthetic approach to 1,2-dicyanoferrrocene: As a missing jigsaw piece within the exciting ferrocene chemistry and as the counterpart to broadly used organic phthalonitrile. »[Read more...](#)

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