CT Complexes Derived from Verdazyl Radicals

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Z. Naturforsch. 53b, 495–502 (1998); received January 20, 1997

Verdazyl Radical, Stable Radical, CT Complex, Magnetic Property, X-Ray Data

Several charge-transfer (CT) complexes derived from 1,1-diphenyl-3-[(p-substituted-phenyl)-verdazyl radicals and TCNQF\textsubscript{4} (2,3,5,6-tetrafluoro-7,7,8,8-tetracyanoquinodimethane) or DDQ (2,3-dichloro-5,6-dicyano-1,4-benzoquinone) were prepared and their magnetic properties were investigated. The X-ray crystal structural analyses on the CT complexes consisted of 3-(4-methoxyphenyl)-, 3-(4-tolyl)- as well as 3-(4-chlorophenyl)-verdazyl radicals and TCNQF\textsubscript{4} were carried out and correlated with their magnetic properties in which large decrease of magnetic susceptibility was observed in each complex.

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