

Structural and Physical Properties of τ -(EDO-S,S-DMEDT-TTF)₂(AuBr₂)_{1+y} and τ -(P-S,S-DMEDT-TTF)₂(AuBr₂)_{1+y}

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Some new findings concerning the structural, optical, transport and magnetotransport properties of τ -(EDO-S,S-DMEDT-TTF)₂(AuBr₂)_{1+y} and τ -(P-S,S-DMEDT-TTF)₂(AuBr₂)_{1+y} ($y \approx 0.75$) are reported. Some similarities and dissimilarities in the properties are discussed. The dissimilarities are more pronounced at low temperatures and high magnetic fields. The results are compared to those obtained of other conducting multilayered systems.

Key words: Organic Conductors; Crystal Structure; Electronic Structure; Optical Properties; Conductivity; Magnetotransport.