

# Influence of a Nitro Side Group on Liquid Crystalline Properties of Trimellitimides

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Two series of ester imides from trimellitic anhydride as well as 6-nitrotrimellitic anhydride (4-carboxy-6-nitrophthalic anhydride) have been synthesized. Their thermotropic properties have been compared. Only one nitro compound, *N*-dodecyl-4-[(4'-decyloxybiphenyl-4-yl)oxycarbonyl]-6-nitrophthalimide has shown liquid crystalline properties.

*Key words:* Trimellitimides, Nitro Side Group, Liquid Crystals