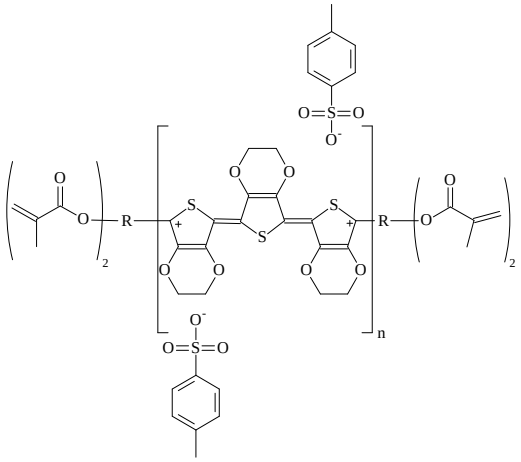
Oligotron™ tetramethacrylate, 0.5% dispersion in nitromethane

Molecular structure



Methacrylate equivalent weight (approx.)	1360 - 1600 g / mol
Bulk conductivity	0.01 - 0.5 S / cm
Typical surface resistance of film	1 - 10 MΩ /□
Composition	93.4 (wt)% nitromethane 5.8 (wt)% ethanol 0.3 (wt)% isopropanol 0.5 (wt)% Oligotron™ tetramethacrylate
Form	liquid dispersion
Typical usage	Conducting films, antistatic layers, hole-transport layers in OLEDs and organic solar cells, flexible electronics, capacitors, and conducting inks for printed applications.
Application Guide	Store product at room temperature (do not freeze). Some settling is normal. For best results, agitate and filter prior to use. Films cast from propylene carbonate will require heat to dry. Photocurable inks can be formulated by adding acrylate monomers and photoinitiators (i.e. DMPA) to the nitromethane dispersion.
Features and Benefits	Triblock structure renders the conducting polymer PEDOT highly dispersible. The methacrylate groups offer the potential for photocrosslinking, or additional chemical functionalization. Nitromethane has a suitable volatility for spin coating applications.

Oligotron™ tetramethacrylate is a product of TDA Research, Inc., Wheat Ridge, Colorado.
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