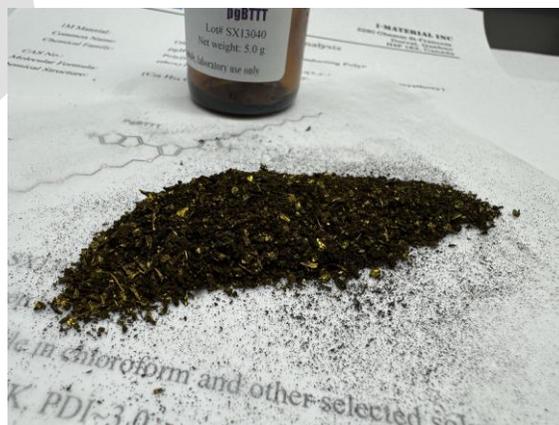
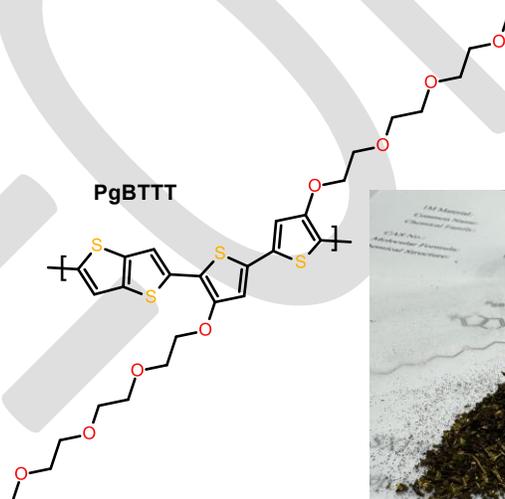


Certificate of Analysis

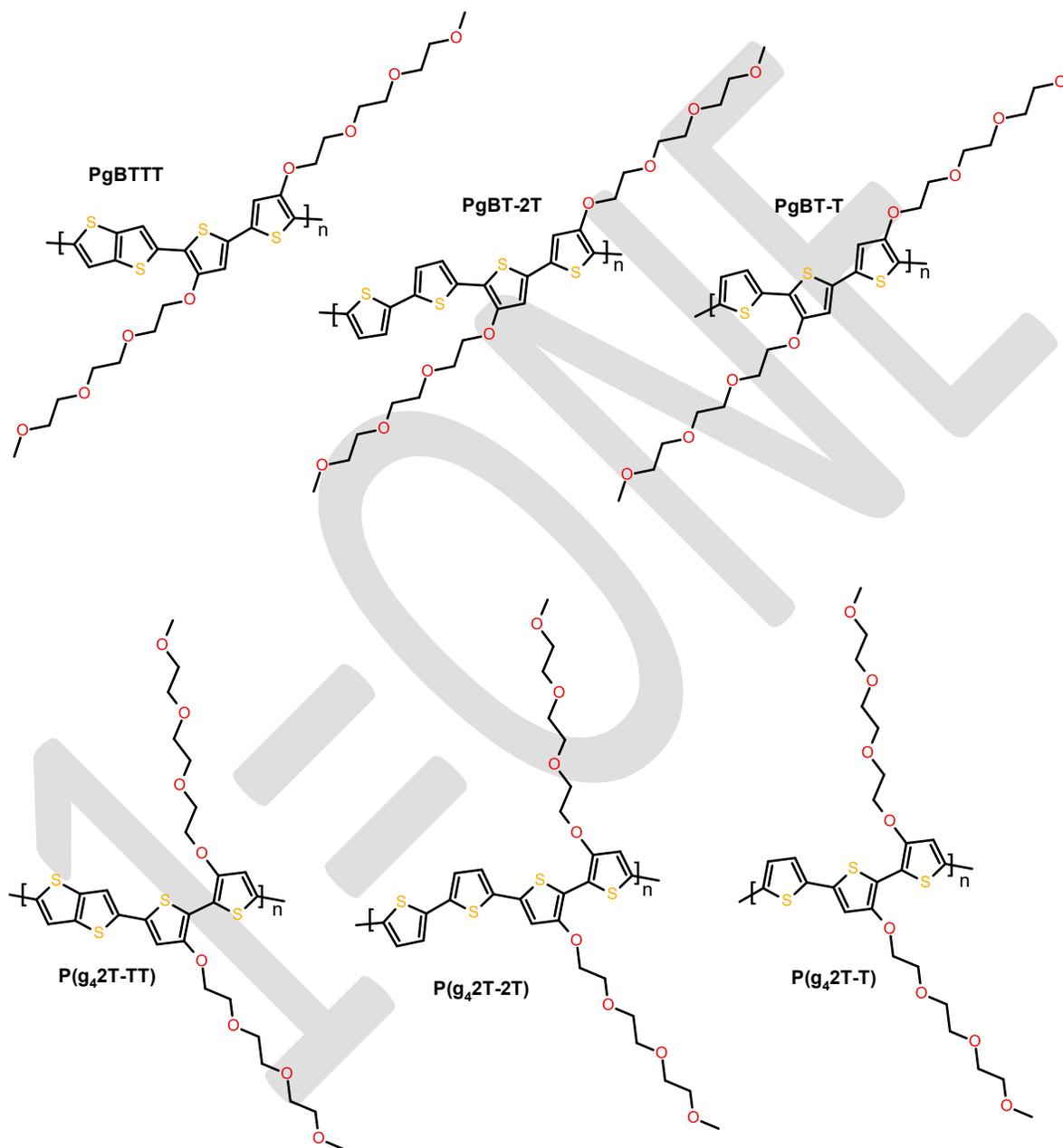
1M Material: Organic Mixed Ion-Electron Conducting (OMIEC) Polymer
Common Name: pgBTTT, twin of P(g42T-TT)
Chemical Family: Poly[thieno[3,2-*b*]thiophene-2,5-diyl[5,5'-bis[2-[2-(2-methoxyethoxy)ethoxy]ethoxy][2,2'-bithiophene]-5,5'-diyl]]
CAS No.: 1404493-48-6
Molecular Formula: $(C_{28} H_{34} O_8 S_4)_n$
Chemical Structure:



Lot No.: SX13040
Appearance: Deep purple to black solid
Solubility: Soluble in chloroform and other selected solvents
Molecular Weight: Mw ~20K; PDI~3.0 (estimated)

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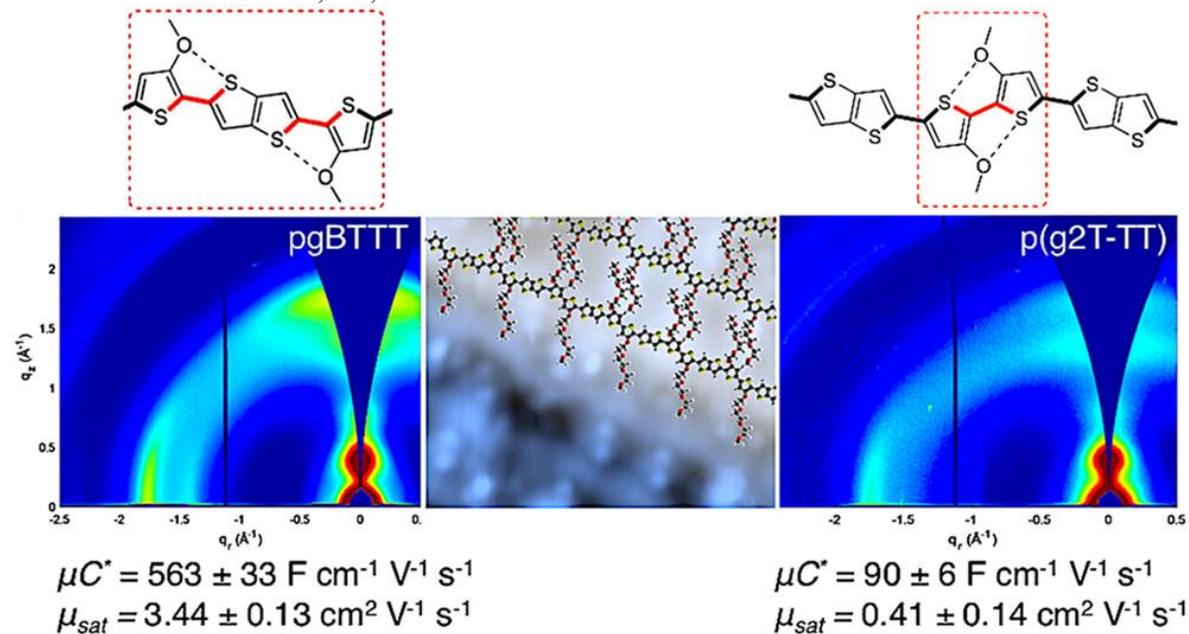
PgBTTT's twin brothers P(g₄2T-TT) and their expanded family



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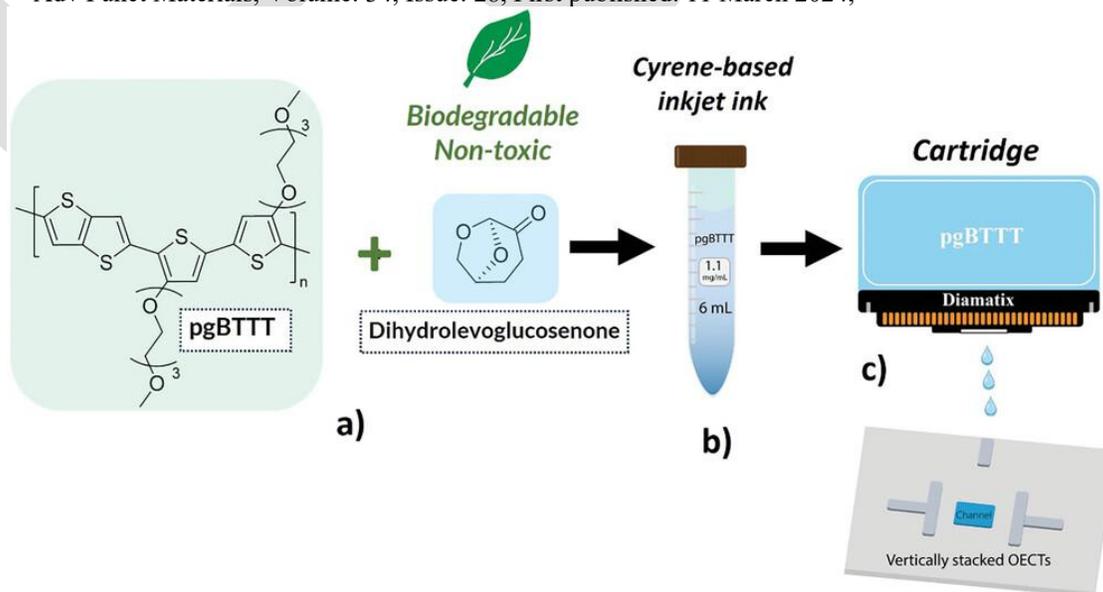
Selected References:

- (1) Regiochemistry-driven Organic Electrochemical Transistor Performance Enhancement in Ethylene Glycol Functionalized Polythiophenes
 J. Am. Chem. Soc. 2021, 143, 11007–11018



(2)

- (2) Toward Sustainability in All-Printed Accumulation Mode Organic Electrochemical Transistors
 Adv Funct Materials, Volume: 34, Issue: 28, First published: 11 March 2024,



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