

Organic Nano Electronic(ONE=1)Materials for these who understand quality

CERTIFICATE OF ANALYSIS

Material: PBBTPD, OS2120

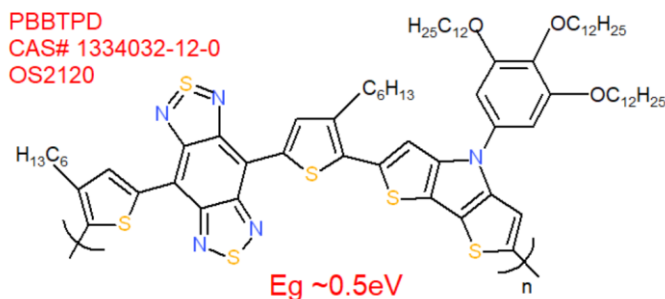
Application: Extremely low bandgap polymer for NIR detector, OPV, OTFT

Chemical Name: Poly[2λ⁴δ²-benzo[1,2-*c*:4,5-*c'*]bis[1,2,5]thiadiazole-4,8-diyl(4-hexyl-2,5-thiophenediyl)[4-[3,4,5-tris(dodecyloxy)phenyl]-4*H*-dithieno[3,2-*b*:2',3'-*d*]pyrrole-2,6-diyl](3-hexyl-2,5-thiophenediyl)]

Molecular Formula: (C₇₆ H₁₀₇ N₅ O₃ S₆)_n

CAS No. 1334032-12-0

Chemical Structure:



Lot number: YY17226CH

Appearance: Deep green to black particles

NMR analysis: Structure confirmed

Molecular weight (GPC): ~18,000 (Mn, PS Standard)

Polydispersity(PDI): ~2

Solubility: Soluble in, CHCl₃, CB, ODCB and other selected solvents