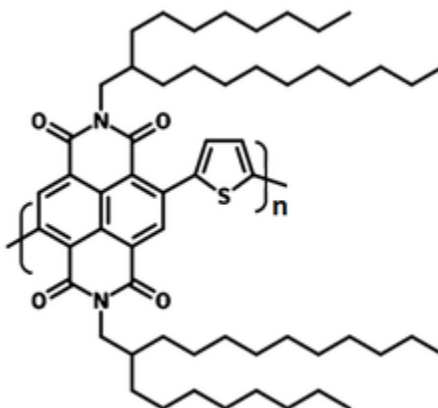


CERTIFICATE OF ANALYSIS

1M Material: PNDI-T, P(NDI-T), P(NDIOD-T)
Other Names: P(NDI-T), P(NDIOD-T), P(NDI-T)-C20
CAS No.: 1236111-76-4
Chemical Name: Poly{[N,N'-bis(2-octyldodecyl)naphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-alt-2,5-thiophene}
Chemical Structure:



Lot No.: YY17218
Appearance: Deep blue solid
Molecular Weight (GPC): ~30K (Mw, PS Standard); Polydispersity (PDI): ~1.6
Solubility: Soluble in DCM, CHCl₃, chlorobenzene and dichlorobenzene
NMR Analysis: Structure confirmed.
Purity: 99+% (basing on NMRs of monomers)

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