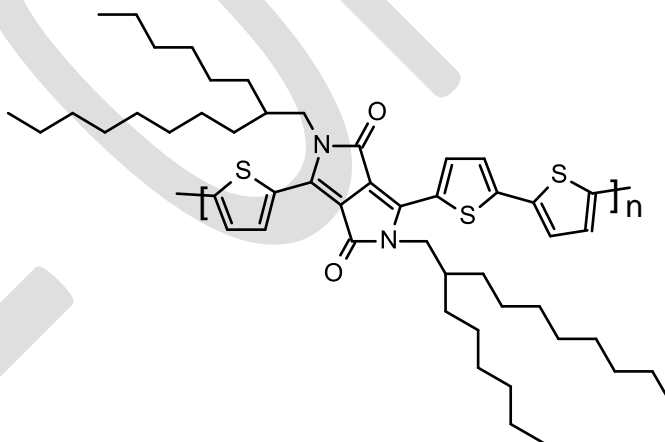


## CERTIFICATE OF ANALYSIS

Product: OS0005, PDPP3T, PDPP-3T  
Application: Laboratory Research Use ONLY  
CAS #: 1198291-01-8 ( Updated from 1198291-00-7)  
Chemical Name: Poly[[2,5-bis(2-hexyldecyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo [3,4-c]pyrrole-1,4-diyl][2,2':5',2''-terthiophene]-5,5''-diyl]  
Chemical Structure:



Lot number: YY10076  
Appearance: Shine deep purple solid  
Molecular weight (GPC): 80,000 (Mw, PS Standard), Polydispersity(PDI): 2.5  
Solubility: Soluble in CB, ODCB and other selected polar solvents  
NMR analysis: Structure confirmed  
Assay: 99+% (basing on trace metal content)