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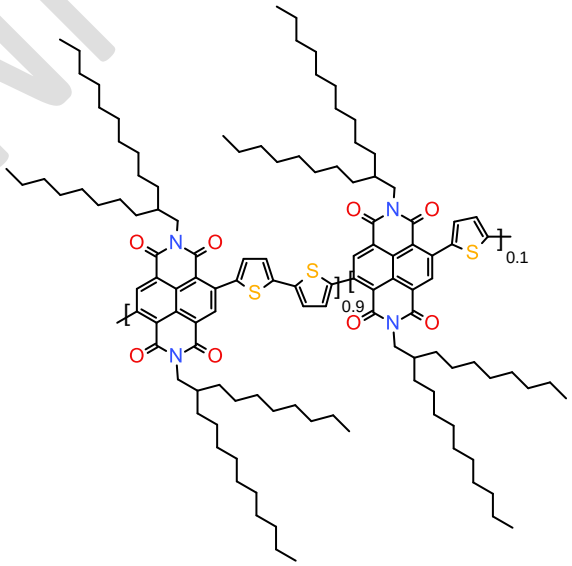
Organic Nano Electronic (ONE=1) Materials for these who understand quality

Technical Data Sheet

1M Material:	PNDI-T10, PCE9
Function:	High mobility n-type semiconducting polymer
Potential Applications:	polymer acceptor for high-efficiency all-PSCs and OFETs
Common Name:	PNDI-T10, PCE9, PNDI-Th10
CAS Number:	1977539-03-9
Chemical Name:	Poly{{[N,N'-bis(2-octyldodecyl)naphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-*alt*-5,5'-(2,2'-bithiophene)}-*ran*-{[N,N'-bis(2-octyldodecyl)naphthalene-1,4,5,8-bis(dicarboximide)-2,6-diyl]-*alt*-2,5-thiophene}

Chemical Structure:



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Appearance:	Deep blue-green solid
Molecular Weight:	~150K, (Mw), PDI~2.5 (GPC, PS standards)
Purity:	99+% (basing on NMRs of monomers)
Solubility:	Soluble in chloroform and other selected solvents
HOMO/LUMO:	-6.4 eV / -4.1eV
Reference:	DOI: 10.1039/c7ee01858d.

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