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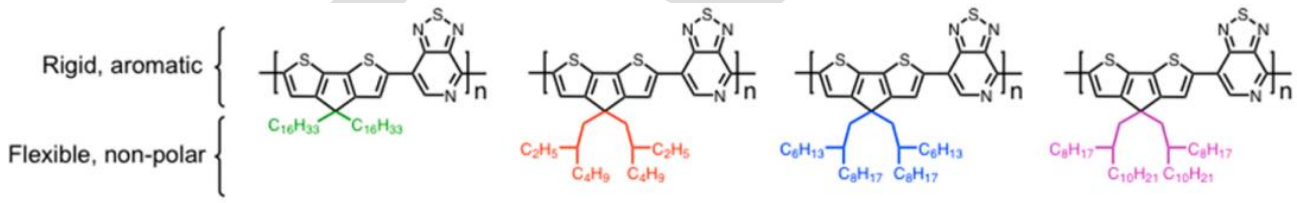
Organic Nano Electronic(ONE=1) Materials for these who understand quality

CERTIFICATE OF ANALYSIS

1M Material:	PCDPT, PCDTPT-C16, PCDTPT-EH, PCDTPT-HD, PCDTPT-ODD
Common Name:	PCDPT, PCDTPT-C16, PCDTPT-EH, PCDTPT-HD, PCDTPT-ODD
CAS No.	1334407-47-4 (note: this CAS is for PCDTPT-C16, general referred as PCDTPT)
Chemical Name:	Poly[[1,2,5]thiadiazolo[3,4-*c*]pyridine-4,7-diyl(4,4-dihexadecyl-4*H*-clopenta[2,1-*b*:3,4-*b*']dithiophene-2,6-diyl)[1,2,5] thiadiazolo[3,4-*c*]pyridine-7,4-diyl(4,4-dihexadecyl-4*H*-cyclopenta[2,1-*b*:3,4-*b*']dithiophene-2,6-diyl)]

Chemical Structure:



	PCDTPT-C_{16} M_n = 23 kDa, $Đ$ = 2.0	PCDTPT-EH M_n = 19 kDa, $Đ$ = 1.6	PCDTPT-HD M_n = 26 kDa, $Đ$ = 1.8	PCDTPT-ODD M_n = 23 kDa, $Đ$ = 1.8
Solvent	**Solubility:**	**Solubility:**	**Solubility:**	**Solubility:**
Toluene	Aggregates	Isotropic	Isotropic	Isotropic
Chloroform	Aggregates	Weak Lyotropic	Isotropic	Isotropic
Hexanes	Not Soluble	Not Soluble	Lyotropic	Lyotropic

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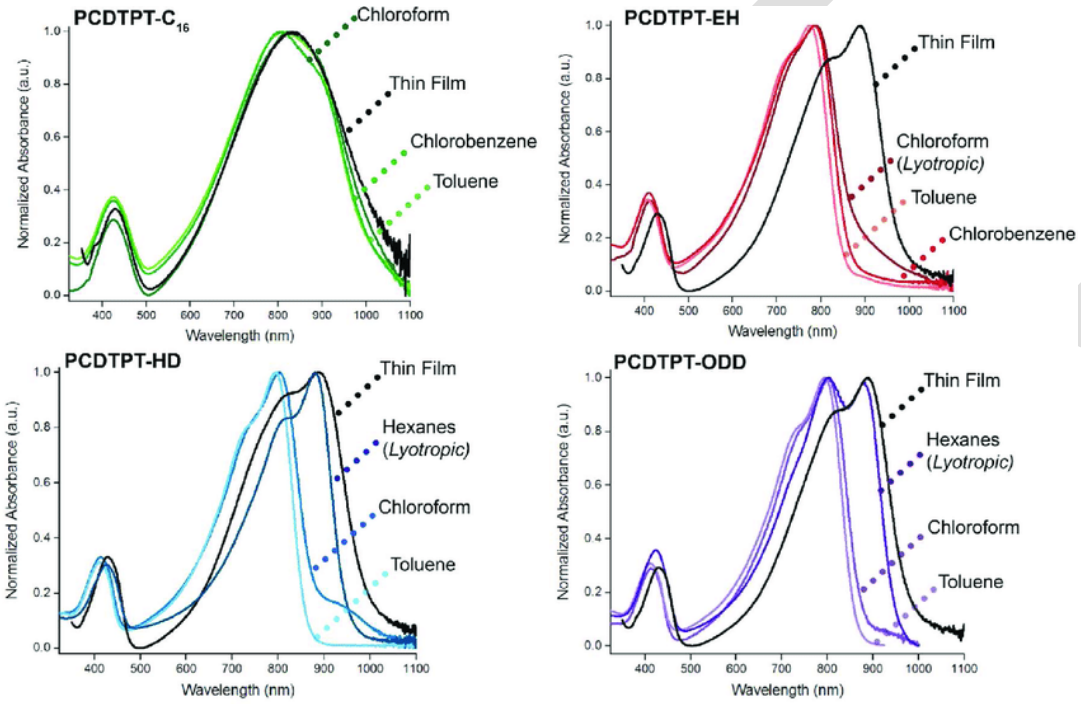
Ref: https://doi.org/10.1021/acs.macromol.6b01650

Formation and Structure of Lyotropic Liquid Crystalline Mesophases in Donor−Acceptor Semiconducting Polymers



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