

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

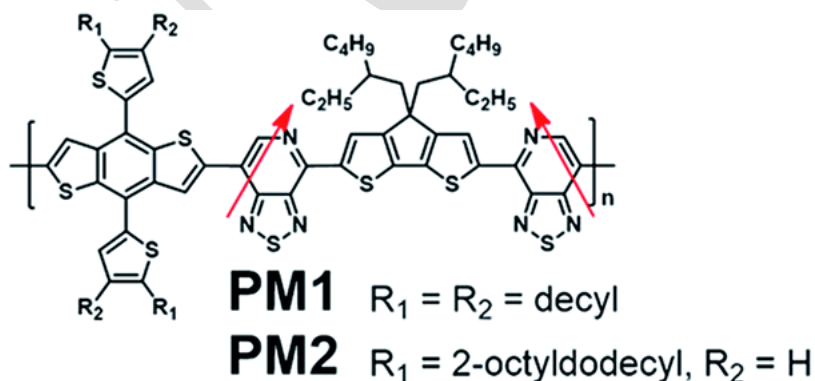
Polymer Code: PM2 / OS6989

CAS Registry Number: 2173236-98-9

Chemical Formula: (C₉₃ H₁₂₆ N₆ S₈)_n

Chemical Name: Poly[[1,2,5]thiadiazolo[3,4-*c*]pyridine-7,4-diyl[4,4-bis(2-ethylhexyl)-4*H*-cyclopenta[2,1-*b*:3,4-*b'*]dithiophene-2,6-diyl][1,2,5]thiadiazolo[3,4-*c*]pyridine-4,7-diyl[4,8-bis[5-(2-octyldodecyl)-2-thienyl]benzo[1,2-*b*:4,5-*b'*]dithiophene-2,6-diyl]]

Chemical Structure:



Specification:

Appearance: Dark solid
Molecular weight: Mw ~150K, PDI ~2.0

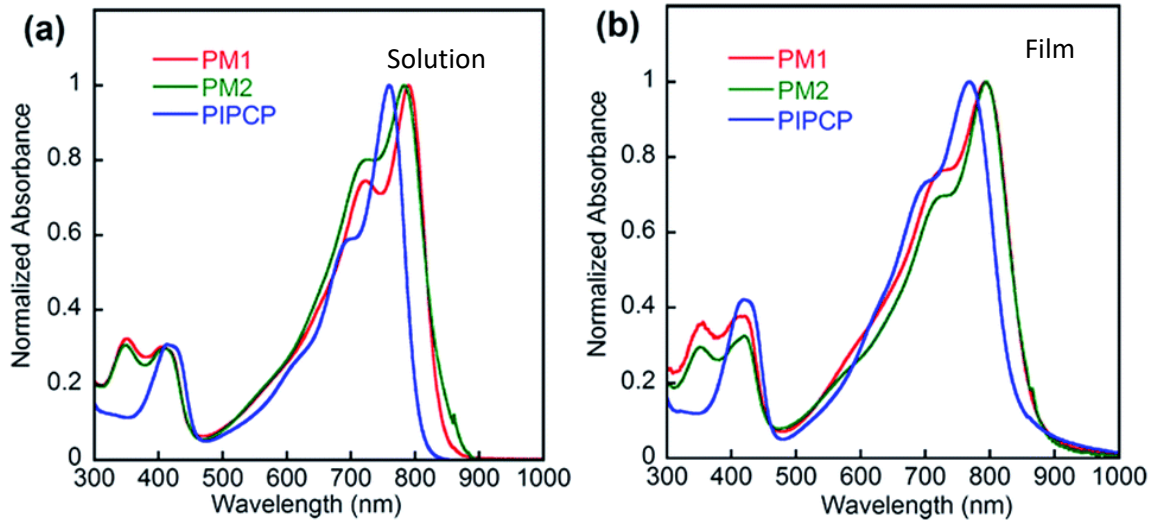
Reference: J. Mater. Chem. A, 2016, 4, 15232

Reference Data Selection:

(1) Energy level:

$$\text{HOMO} = -5.3 \text{ eV}, \text{LUMO} = -3.9\text{eV}, E_g = 1.4\text{eV}$$

(2) Absorption:



(3) OPV Performance:

