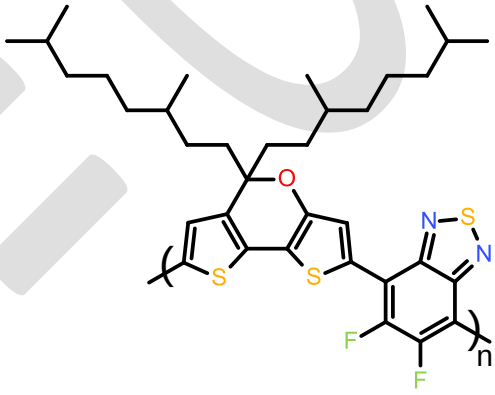
1-MATERIAL INC
2290 Chemin St-Francois
Dorval, Quebec
H9P 1K2, Canada

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

CERTIFICATE OF ANALYSIS

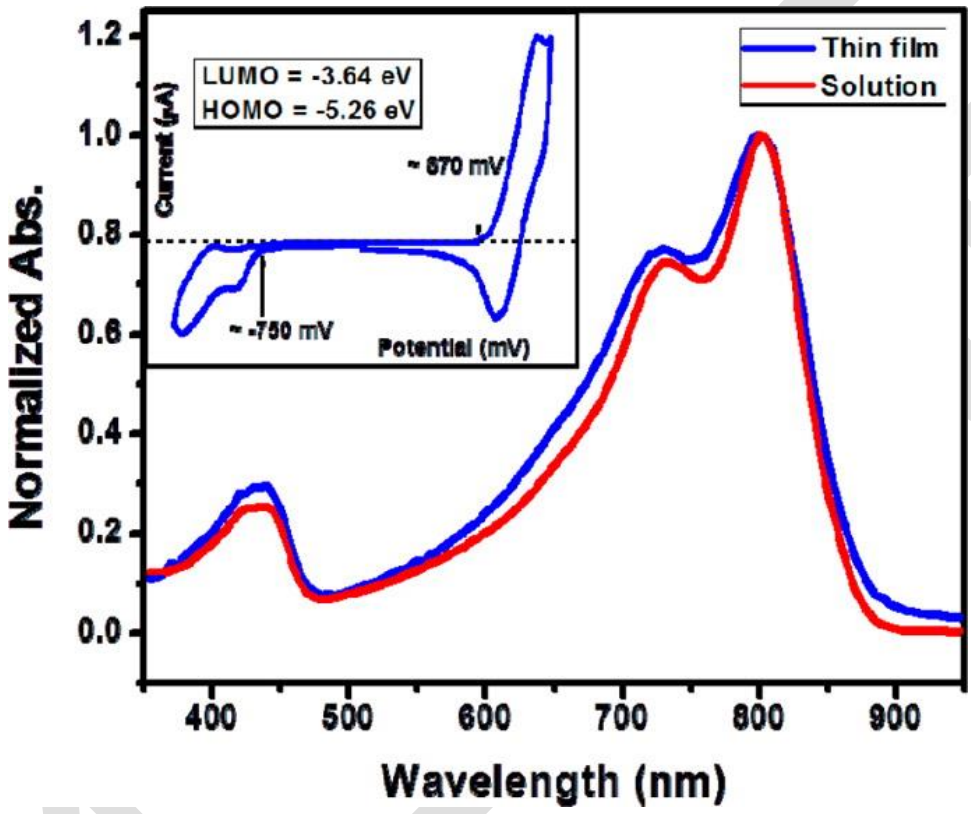
1M Material:	Custom made: PDTP-DFBT / OS0011
CAS#	1299366-87-2
Chemical Name:	Poly[(5,6-difluoro-2,1,3-benzothiadiazole-4,7-diyl)[5,5-bis(3,7-dimethyloctyl)-5*H*-dithieno[3,2-*b*:2',3'-*d*]pyrandiyl]]
Chemical Structure:	



Lot number:	YY16266CH100
Appearance:	Purple brown solid
Molecular weight (GPC):	~50 kDa (Mw, PS Standard), polydispersity(PDI): ~2
Solubility:	Soluble in chloroform, chlorobenzene and dichlorobenzene
NMR analysis:	Structure confirmed
Assay:	99+% (NMR)

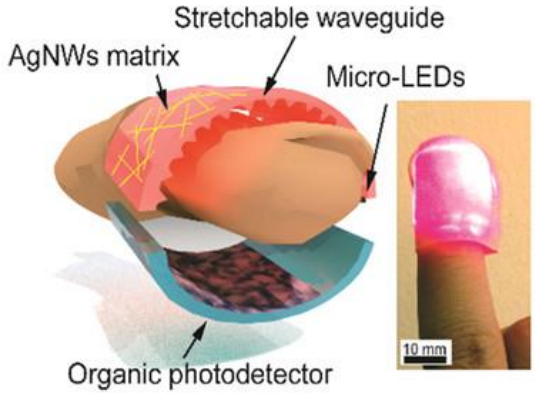
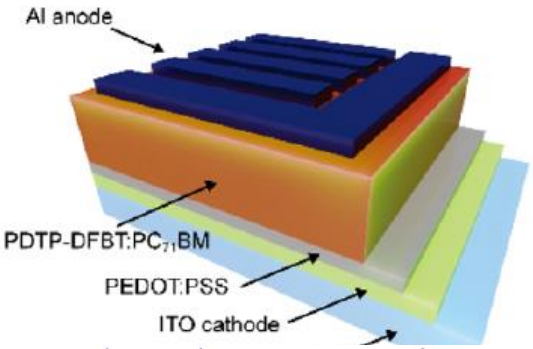
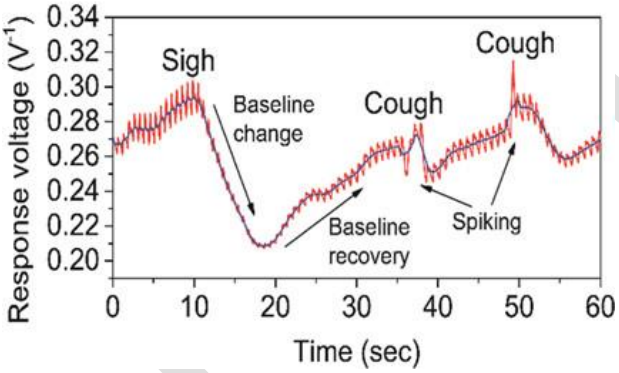
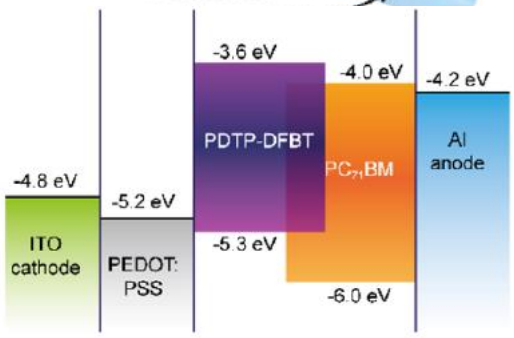
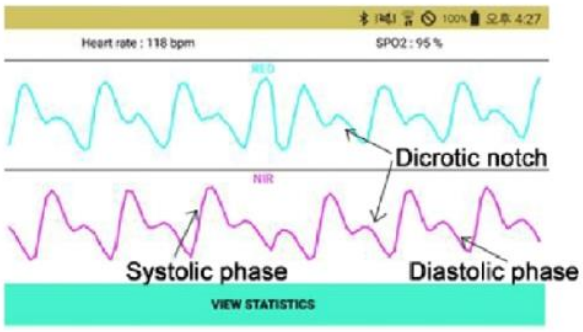
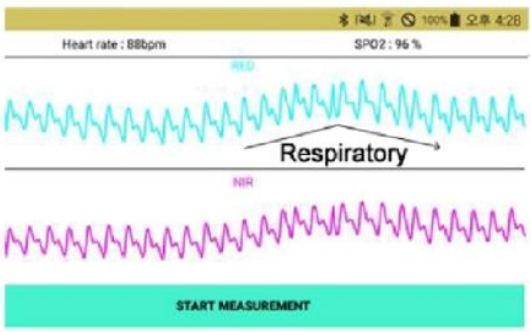
Reference:

dx.doi.org/10.1021/ma400452j | Macromolecules 2013, 46, 3384−3390



Absorption spectra Absorption spectra of PDTP–DFBT in chlorobenzene (~0.1 mg/mL) and thin film casted from chlorobenzene; cyclic voltammetry of PDTP-DFBT thin film (inset).

Applications examples:

pubs.acs.org/acssensors https://dx.doi.org/10.1021/acssensors.9b02529 Article

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