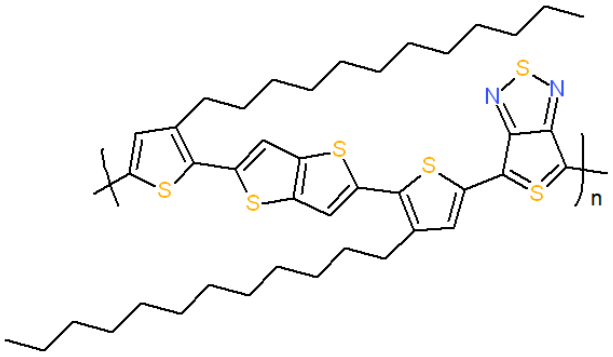
1-MATERIAL INC
2290 Chemin St-Francois
Dorval, Quebec
H9P 1K2, Canada

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

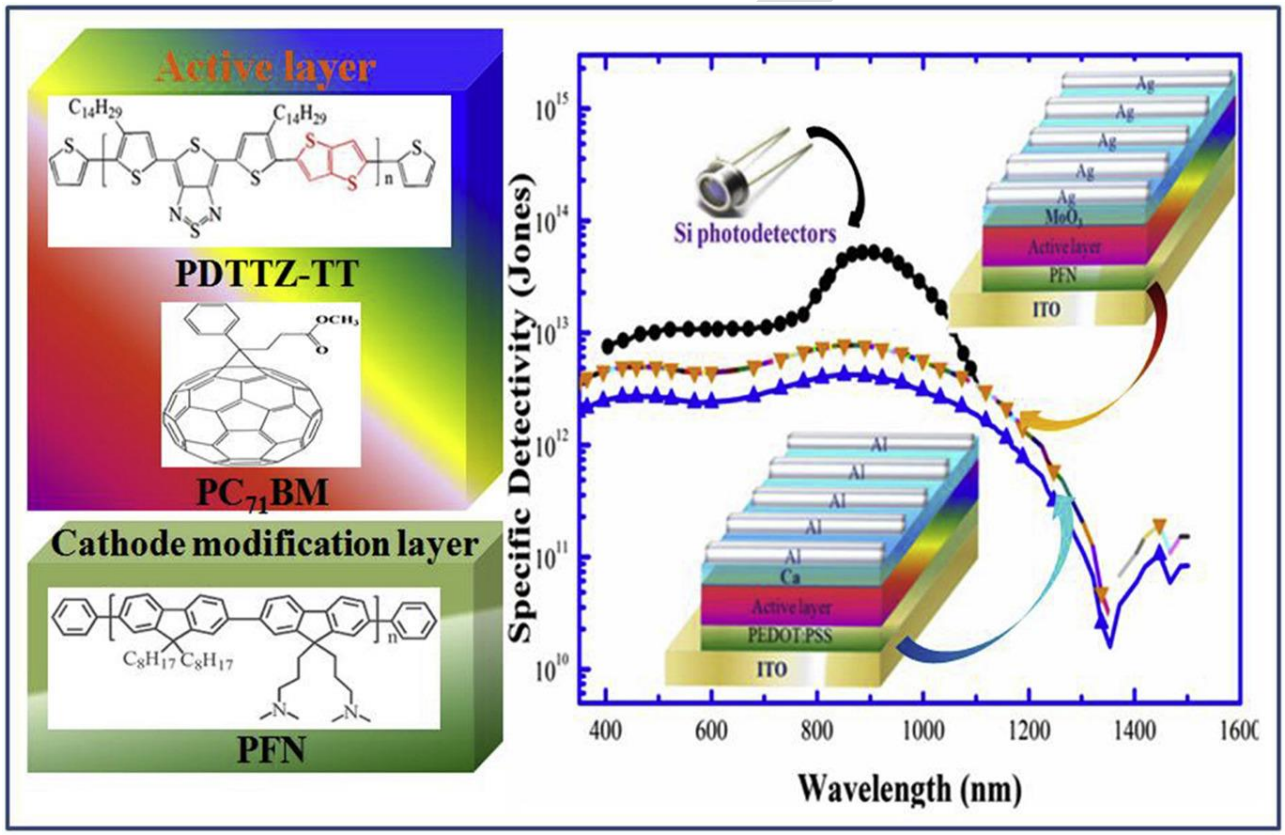
CERTIFICATE OF ANALYSIS

1M Material:	OS4114-12
Common Name:	PDTTZ-TT, PDTTZ-TT-12
CAS No.	2303914-11-4 (note: this CAS is for C14, PDTTZ-TT-14)
Chemical Name:	poly{4,6-bis(4-dodecylthien-2-yl)thieno[3,4-*c*]thiadiazole-thieno[3,2-*b*]thiophene}
Chemical Structure:	
Lot#	MY9086CH
Appearance:	Purple-brown solid
Molecular weight:	~50K (Mw, PS standards), PDI ~2.5
Assay:	99+% basing NMRs of monomers

1-Material is dedicated to provide the material according to customer's needs, and some material we promoted may be solely offered to certain customers for their specific needs in their research and development projects on a custom synthesis basis or on a contract research basis. All the material is offered as it is, along with the information and technical advice-where verbal, in writing or by way of trials-are given in good faith and are believed to be accurate but without warranty since the conditions of use are beyond the control of 1-Material, and this also applies where proprietary rights of third parties are involved. For the condition and term of our offer and service, please consult the disclaimer in our web: **www.1-material.com**

Ref: https://doi.org/10.1016/j.dyepig.2018.05.052

An extremely narrow band gap conjugated polymer for photovoltaic devices covering UV to near-infrared light



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