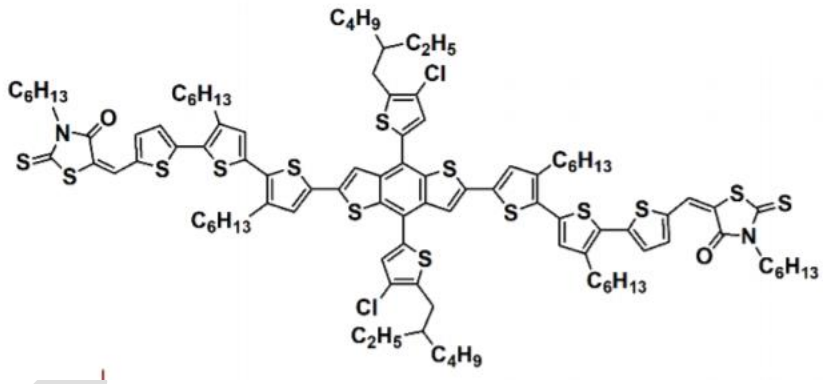
1-Material Inc
2290 Chemin St-Francois
Dorval, Quebec
H9P 1K2, Canada

CERTIFICATE OF ANALYSIS

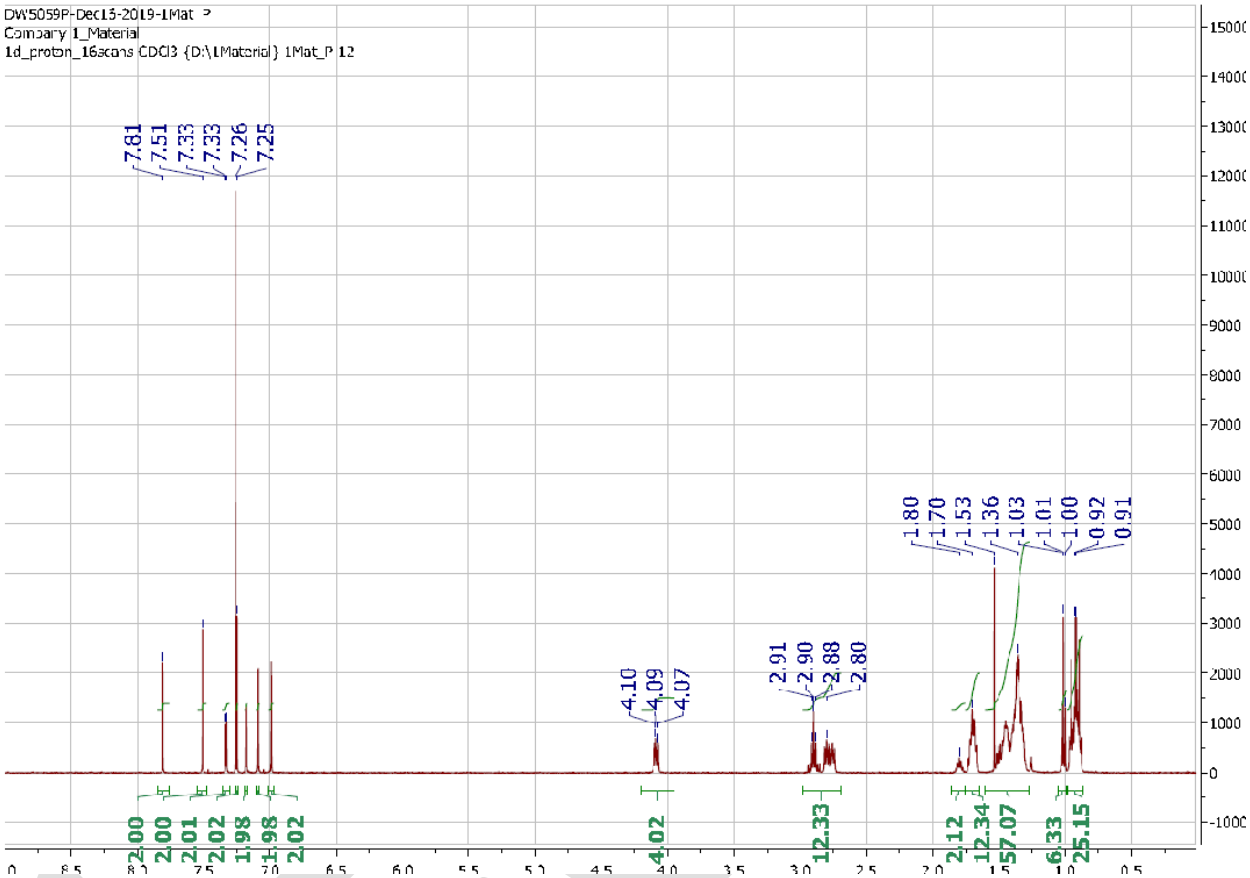
1M Material	OS0136, custom made material
Common Name	BTR-Cl; Cl-BTR
Chemical Name:	5,5′-[[4,8-Bis[4-chloro-5-(2-ethylhexyl)-2-thienyl]benzo[1,2-*b*:4,5-*b*′]dithiophene-2,6-diyl]bis[(3′,3″-dihexyl[2,2′:5′,2″-terthiophene]-5″,5-diyl)methylidyne]]bis[3-hexyl-2-thioxo-4-thiazolidinone]
CAS No.	2410661-17-3
Chemical Structure	



Lot:	DW7131P
Appearance:	Deep grey to black solid
Purity:	99 % (NMR, see the appendix-1)
Solubility:	Soluble in chloroform, dichloro-benzene etc.
Application:	Electron acceptor for OPV
	HOMO = -5.46eV, LUMO=-3.70eV
References:	https://doi.org/10.1016/j.joule.2019.09.009

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**

Appendix-1 (NMR of the current lot)



Snapshot:

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