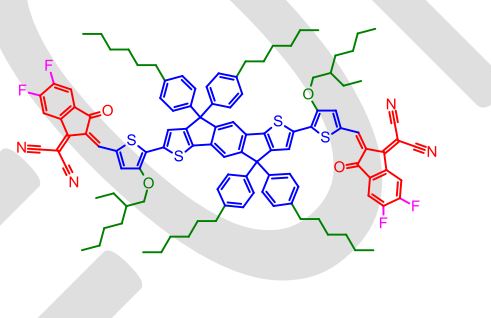


CERTIFICATE OF ANALYSIS

1M Material:	IEICO-4F / NFA015
CAS No:	2089044-02-8
Chemical Name:	2,2'-((2Z,2'Z)-(((4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-sindaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(4-((2-ethylhexyl)oxy)thiophene-5,2-diyl))bis(methanylylidene))bis(5,6-difluoro-3-oxo-2,3-dihydro-1H-indene-2,1-diylidene))dimalononitrile
Chemical Structure:	See below
	
Lot No.:	DW12088P
Appearance:	Shine blue-black solid
NMR:	Confirmed
Purity:	99+% (by NMR)
Solubility:	Soluble in chloroform, chlorobenzene and other selected solvents

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