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FULLERENES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL5060A	C60	Fullerene C60		99685-96-8	Regular grade with some residual solvent, 0.1 – 0.5% – High Purity grade for synthesis	99.50%		
SOL5060Z	C60	Fullerene C60		99685-96-8	Regular grade with some residual solvent, 0.1 – 0.5% – High Purity grade for synthesis	99.90%		
SOL5060X	C60	Fullerene C60		99685-96-8	Solvent free. High Purity grade for synthesis	99.50%		
SOL5060W	C60	Fullerene C60		99685-96-8	Solvent free. High Purity grade for synthesis	99.90%		
SOL5060Y	C60	Fullerene C60		99685-96-8	Solvent free. Very High Purity grade for synthesis, Standards and Bio-Pharma R&D	99.95%		
SOL5060YY	C60	Fullerene C60		99685-96-8	Solvent free. Ultra High Purity grade for synthesis, Standards and Bio-Pharma R&D	99.99%		
SOL5061B	PC61BM	[6,6]-Phenyl C61 butyric acid methyl ester		160848-22-6	Used as an electron acceptor from Donor materials such as P3HT, PCDTBT or PTB7 to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.0%		
SOL5061A	PC61BM	[6,6]-Phenyl C61 butyric acid methyl ester		160848-22-6	Used as an electron acceptor from Donor materials such as P3HT, PCDTBT or PTB7 to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.5%		
SOL5061Z	PC61BM	[6,6]-Phenyl C61 butyric acid methyl ester		160848-22-6	Used as an electron acceptor from Donor materials such as P3HT, PCDTBT or PTB7 to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.9%		
SOL5061Y	PC61BM	[6,6]-Phenyl C61 butyric acid methyl ester		160848-22-6	Used as an electron acceptor from Donor materials such as P3HT, PCDTBT or PTB7 to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.95%		
SOL5062	Bis-PC62BM	Bis[1-[3-(methoxycarbonyl) propyl]-1-phenyl]-[6.6]C62 ; [6.6] Diphenyl C62 bis(butyric acid methyl ester)		1048679-01-1	Used as an electron acceptor from Donor materials such as P3HT (SOL4106), PCDTBT (SOL4280) or PTB7 (SOL4700) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.5% (A)		
SOL5064B	IC60MA	1',4'-Dihydro-naphtho[2',3':1,2][5,6]fullerene-C60, C60 derivative, indene-C60 monoadduct		186682-36-0	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make C60-PCBM comparable Open Circuit Voltage (Voc), and Power Conversion Efficiency (PCE) bulk heterojunction solar cells at lower costs	>95% (B)		
SOL5064A	IC60MA	1',4'-Dihydro-naphtho[2',3':1,2][5,6]fullerene-C60, C60 derivative, indene-C60 monoadduct		186682-36-0	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make C60-PCBM comparable Open Circuit Voltage (Voc), and Power Conversion Efficiency (PCE) bulk heterojunction solar cells at lower costs	>98% (A)		
SOL5065B	IC60BA	[1',1'',4',4''-tetrahydro-di[1,4]methanonaphthaleno[5,6]fullerene-C60 ICBA		1207461-57-1	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.0% (B)		
SOL5065A	IC60BA	[1',1'',4',4''-tetrahydro-di[1,4]methanonaphthaleno[5,6]fullerene-C60 ICBA		1207461-57-1	Used as an electron acceptor from Donor materials such as P3HT to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.5% (A)		
SOL5066	IC60TA	Indene C60 tris adduct		1363385-54-9	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make high Open Circuit Voltage (Voc) solar cells	>96% (A)		
SOL5162	WSC60PI	C60-n-(N,N-dimethylpyrrolidinium iodide) Adduct, Water Soluble C60		N/A	Water-Soluble Fullerene derivatives can be used in medicinal researches for the domain of neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent	>99% (A)		
SOL5163	WSC60MA	C60-n-(malonic acid), Water Soluble C60		N/A	Water-Soluble Fullerene derivatives can be used in medicinal researches for the domain of neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent	>99% (A)		
SOL5262	WSC60PS	C60-(N,N-dimethyl pyrrolidinium ammonium) Adduct, Water Soluble C60		N/A	Water-Soluble Fullerene derivatives can be used in medicinal researches for the domain of neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent	>99% (A)		
SOL5363	C60 Malonic ester	C60-n-(malonic ester), Water Soluble C60		N/A	Additive for battery electrolytes			

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FULLERENES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL5369A	Fullerenol C60	C60(OH) _n , water soluble C60, polyhydroxylated fullerenes		N/A	Very low solvent residual for electronics, industrial	>99.5%		
SOL5369W	Fullerenol C60	C60(OH) _n , water soluble C60, polyhydroxylated fullerenes		N/A	Solvent free – High Purity grade for Electronics, Bio medical R&D, Pharmaceutical	>99.90%		
SOL5369Y	Fullerenol C60	C60(OH) _n , water soluble C60, polyhydroxylated fullerenes		N/A	Solvent free -Very High Purity grade for Electronics, standards, Bio medical R&D, Pharmaceutical	>99.95%		
SOL5369YY	Fullerenol C60	C60(OH) _n , water soluble C60, polyhydroxylated fullerenes		N/A	Solvent free – Ultra High Purity grade for Electronics, standards, Bio medical R&D, Pharmaceutical	>99.99%		
SOL5070B	C70	Fullerene C70		115383-22-7	Regular grade with some residual solvent, 0.1 – 0.5% – High Purity grade for synthesis	99.0%		
SOL5070A	C70	Fullerene C70		115383-22-7	Regular grade with some residual solvent, 0.1 – 0.5% – High Purity grade for synthesis	99.5%		
SOL5070V	C70	Fullerene C70		115383-22-7	Solvent free. High Purity grade for synthesis	99.0%		
SOL5070X	C70	Fullerene C70		115383-22-7	Solvent free. High Purity grade for synthesis, Bio-Pharma, Standards	99.5%		
SOL5071B	PC71BM	[6,6]-Phenyl-C71-butyric acid methyl ester		609771-63-3	Used as an electron acceptor from Donor materials such as P3HT (SOL4106), PCDTBT (SOL4280) or PTB7 (SOL4700) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.0%		
SOL5071A	PC71BM	[6,6]-Phenyl-C71-butyric acid methyl ester		609771-63-3	Used as an electron acceptor from Donor materials such as P3HT (SOL4106), PCDTBT (SOL4280) or PTB7 (SOL4700) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	>99.5%		
SOL5072A	Bis-PC72BM	Bis[1-[3-(methoxycarbonyl) propyl]-1-phenyl]-[6,6]C72 ; [6,6] diphenyl C72 bis(butyric acid methyl ester)		609771-63-3	Used as an electron acceptor from Donor materials such as P3HT (SOL4106), PCDTBT (SOL4280), or PTB7 (SOL4700) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	98%		
SOL5074B	IC70MA	Indene-C70 Monoadduct		N/A	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make C70-PCBM comparable Open Circuit Voltage (Voc), and Power Conversion Efficiency (PCE) bulk heterojunction solar cells at lower costs	95%		
SOL5074A	IC70MA	Indene-C70 Monoadduct		N/A	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make C70-PCBM comparable Open Circuit Voltage (Voc), and Power Conversion Efficiency (PCE) bulk heterojunction solar cells at lower costs	98%		
SOL5075B	IC70BA	Indene C70 Bis Adduct		N/A	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	95%		
SOL5075A	IC70BA	Indene C70 Bis Adduct		N/A	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make high Open Circuit Voltage (Voc), high Power Conversion Efficiency (PCE) bulk heterojunction solar cells	99%		
SOL5076A	IC70TA	Indene C70 Tris Adduct		N/A	Used as an electron acceptor from Donor materials such as P3HT (SOL4106) to make high Open Circuit Voltage (Voc) solar cells	96%		
SOL5172A	WSC70PI	C70-(N,N-dimethyl pyrrolidinium iodide) _n Adduct n=3, water soluble C70		N/A	Water Soluble Fullerene derivatives can be used in medicinal researches for the domaine of neurodegenerative diseases, cancer, viral infection and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent	99%		
SOL5173A	WSC70MA	C70-(malonic acid) _n , Water soluble C70		N/A	Precursor to water Soluble Fullerene derivatives can be used in medicinal researches for the domaine of neurodegenerative diseases, cancer, viral infection and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent	99%		
SOL5373A	C70 Malonic ester	C70-n-(malonic ester)		N/A	Additive for battery electrolytes	99%		
SOL5379B	Fullerenol C70	C70(OH) _n		N/A	Solvent free – Very High Purity grade for electronics, standards, bio medical R&D and pharmaceutical	99%		
SOL5379A	Fullerenol C70	C70(OH) _n		N/A	Solvent free – Ultra High Purity grade for electronics, standards, Bio medical R&D and pharmaceutical.	99.5%		

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POLYMERS								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL2417	PFO	Poly(9,9-di-n-octylfluorenyl-2,7-diyl)		195456-48-5	Polymer for opto-electronic applications. Blue Emitter (417 nm in THF) for OLED and other applications	50-200 kDa		
SOL2420L	Poly-TPD	Poly[N,N'-bis(4-butylphenyl)-N,N'-bisphenylbenzidine]		472960-35-3	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Low Mw	10-30 kDa		
SOL2420M	Poly-TPD	Poly[N,N'-bis(4-butylphenyl)-N,N'-bisphenylbenzidine]		472960-35-3	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Medium Mw	30-100 kDa		
SOL2420H	Poly-TPD	Poly[N,N'-bis(4-butylphenyl)-N,N'-bisphenylbenzidine]		472960-35-3	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. High Mw	100-250 kDa		
SOL2420UH	Poly-TPD	Poly[N,N'-bis(4-butylphenyl)-N,N'-bisphenylbenzidine]		472960-35-3	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Ultra-High Mw	250-500 kDa		
SOL2419	PFNI-DOF	Poly[[9,9-di(3,3',N,N'-trimethyl-ammonium)propyl fluorenyl-2,7-diyl]-alt-co-(1,4-phenylene)] diiodide salt		N/A	Alcohol soluble polymer for opto-electronic applications. Blue Emitter (418 nm in THF) for OLED and other applications	25-250 kDa		
SOL2421	PFN-DOF	Poly[[9,9-di(2,2',N,N'-dimethylamine)propyl fluorenyl-2,7-diyl]-alt-co-(9,9-dioctyl fluorenyl-2,7-diyl)]		673474-74-3	Precursor to water soluble polymer for opto-electronic applications. Blue Emitter (418 nm in THF) for OLED and other application. Ionic derivatives are also available(SOL2419)	25-50 kDa		
SOL2423	PFN-FP	Poly[[9,9-di(2,2',N,N'-dimethyl-amine)propyl fluorenyl-2,7-diyl]-alt-co-(1,4-phenylene)]		673474-79-8	Precursor to alcohol and water soluble polymer for opto-electronic applications. Blue Emitter (410 nm in THF) for OLED and other applications. Ionic derivatives are also available	25-50 kDa		
SOL2426L	PTAA	Poly[bis(4-phenyl)[2,4,6-trimethylphenyl]amine] – Poly(triaryl amine)		1333317-99-9	PTAA - LOW Mw - Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Low Mw	5-20 kDa		
SOL2426M	PTAA	Poly[bis(4-phenyl)[2,4,6-trimethylphenyl]amine] – Poly(triaryl amine)		1333317-99-9	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Medium Mw	20-75 kDa		
SOL2426H	PTAA	Poly[bis(4-phenyl)[2,4,6-trimethylphenyl]amine] – Poly(triaryl amine)		1333317-99-9	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. High Mw	75-200 kDa		
SOL2426UH	PTAA	Poly[bis(4-phenyl)[2,4,6-trimethylphenyl]amine] – Poly(triaryl amine)		1333317-99-9	Polymer for optoelectronic applications. Hole transport material for organic light-emitting diodes (OLEDs) and Perovskites. Ultra-High Mw	200-500 kDa		
SOL2414	PFN-FP-I	Poly[[9,9-di(3,3',N,N'-trimethyl-ammonium)propyl fluorenyl-2,7-diyl]-alt-co-(1,4-phenylene)] diiodide salt		N/A	Water and alcohol soluble polymer for opto-electronic applications. Blue Emitter (410 nm in THF) for OLED and other applications. The free base is also available (SOL2423)	15-50 kDa		
SOL2428	PFN	Poly[[9,9-di(2,2',N,N'-dimethyl-amine)propyl fluorenyl-2,7-diyl]		673474-74-3		15-40 kDa		
SOL2431	PFNBr-DOF	Poly(9,9-bis(3'-N,N-dimethyl)-N-ethylammonium-propyl-2,7-fluorene)-alt-2,7-(9,9-dioctylfluorene)diiodide		N/A	Alcohol soluble polymer for opto-electronic applications. Blue Emitter (418 nm in THF) for OLED and other applications			
SOL2433	PFNBr	Poly(9,9-bis(3'-N,N-dimethyl)-N-ethylammonium-propyl-2,7-fluorene)-dibromide		889672-99-5	Alcohol and water soluble polymer for opto-electronic applications. Blue Emitter (410 nm in THF) for OLED and other applications. Free base also available	25-250 kDa		
SOL2436L	TFB (n-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		223569-31-1	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. Low Mw	5-25 kDa		
SOL2436M	TFB (n-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		223569-31-1	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. Medium Mw	30-65 kDa		
SOL2436H	TFB (n-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		223569-31-1	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. High Mw	70-125 kDa		
SOL2437L	TFB (sec-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		220797-16-0	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. Low Mw	5-25 kDa		
SOL2437M	TFB (sec-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		220797-16-0	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. Medium Mw	30-65 kDa		
SOL2437H	TFB (sec-butyl)	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(4-sec butylphenyl)diphenylamine)]		220797-16-0	Polymer for optoelectronic applications. For OLED, Hole transport, hole injection layer, and other applications. High Mw	70-125 kDa		
SOL2438	PF8-TAA	Poly[[9,9-dioctylfluorenyl-2,7-diyl]-co-(4,4'-(N-(2,4-dimethylphenyl)diphenylamine)]		1178569-78-2	Polymer for opto-electronic applications. Blue Emitter (435 nm in THF) for OLED, Hole transport, holeinjection layer, and other applications	20-50 kDa		
SOL2444	PFNI	Poly[9,9-dioctyl-9',9'-bis[3-(trimethylammonio)propyl][2,2'-bi-9H-fluorene]-7,7'-diyl iodide		1687752-60-8	PFNI is the diiodide salt of PFN and is a conjugated polymer electrolyte (CPE). It is commonly used as an electron-interface layer material in organic electronic devices (including OLED, OPV, and perovskite solar cells) to improve extraction efficiency.	15-40 kDa		
SOL2451	PFN-BT	Poly[[9,9-di(2,2',N,N'-dimethylamine)propyl fluorenyl-2,7-diyl]-alt-co-(1,4-benzothiadiazole)]		N/A		15-40 kDa		
SOL2461	PFNI-BT	Poly[[9,9-di(3,3',N,N'-trimethyl-ammonium)propyl fluorenyl-2,7-diyl]-alt-co-(1,4-benzothiadiazole)] diiodide salt		N/A	Alcohol soluble polymer for opto-electronic applications. Green Emitter (530 nm) for OLED and other applications	15-40 kDa		
SOL2464	PFNBr-BT	Poly(9,9-bis(3'-N,N-dimethyl)-N-ethylammonium-propyl-2,7-fluorene)-alt-2,7-(1,4-benzothiadiazole) dibromide		N/A	Alcohol soluble polymer for opto-electronic applications. Green Emitter (530 nm) for OLED and other applications			
SOL2486L	Poly-TPD-C6	Poly(4-hexyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Low Mw	5-20 kDa		

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REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL2486M	Poly-TPD-C6	Poly(4-hexyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Medium Mw	20-75 kDa		
SOL2486H	Poly-TPD-C6	Poly(4-hexyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. High Mw	75-200 kDa		
SOL2486UH	Poly-TPD-C6	Poly(4-hexyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Ultra-High Mw	200-500 kDa		
SOL2488L	Poly-TPD-C8	Poly(4-octyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Low Mw	5-20 kDa		
SOL2488M	Poly-TPD-C8	Poly(4-octyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Medium Mw	20-75 kDa		
SOL2488H	Poly-TPD-C8	Poly(4-octyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. High Mw	75-200 kDa		
SOL2488UH	Poly-TPD-C8	Poly(4-octyltriphenylamine)		N/A	Polymer for opto-electronic applications. Hole transport material for organic light emitting diodes (OLEDs) and Perovskites. Ultra-High Mw	200-500 kDa		
SOL2496	PFO-MEH-PPV	Poly[(9,9-dioctyl-2,7-divinylene)fluorenylene]-alt-co-[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene]		1383605-56-8	Polymer for opto-electronic applications. High performance Yellow-Green emitter (496 nm in THF, OLED electro-luminescence: 550 nm) for OLED and other applications	70-150 kDa		
SOL2529	F8BT	Poly[(9,9-di-n-octylfluorenyl-2,7-diyl)-alt-(benzo[2,1,3]thiadiazol-4,8-diyl)], Poly(9,9-dioctylfluorene-alt-benzothiadiazole)		210347-52-7	Polymer for opto-electronic applications. Green emitter (529 nm in THF) for OLEDs, OFETs, and light emitting transistors for OPVs	50-250 kDa		
SOL2552	F8T2	Poly(9,9-dioctylfluorene-alt-bithiophene), Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-bithiophene]		210347-56-1	Semiconducting material that is widely used in organic electronics such as organic photovoltaics, polymer light-emitting diodes (PLED) and organic field-effect transistors (OFETs)	25-150 kDa		
SOL2562	F8Se2	Poly[(9,9-dioctylfluorenyl-2,7-diyl)-alt-co-(biselenophene)]		N/A	Polymer (p-type) for opto-electronic applications. Red Emitter (578 nm Film) for OTFT, OLED and other applications	25-150 kDa		
SOL2938	PIF8-TAA	Poly[[2,4-dimethylphenyl]imino]-1,4-phenylene(6,12-dihydro-6,6,12,12-tetraoctylindeno[1,2-b]fluorene-2,8-diyl)-1,4-phenylene]		1178569-79-3				
SOL3233	poly(DDA)TFSI	poly(diallyldimethylammonium) bis(trifluoromethanesulfonyl)imide		N/A	Hydrophobic Polymeric Ionic Liquids Carrier-Injection Layers in thin layer organic electronics	400-500 kDa		
SOL3235	poly(DDA)PFSI	poly(diallyldimethylammonium) bis(pentafluoromethanesulfonyl)imide		N/A	Hydrophobic Polymeric Ionic Liquids Carrier-Injection Layers in thin layer organic electronics	400-500 kDa		
SOL4106A	P3HT	Poly(3-hexylthiophene-2,5-diyl)		104934-50-1	Used as an electron Donor to acceptor materials such as C60-PCBM (SOL5061) to make proven bench marked bulk heterojunction solar cells and organic transistors. Low pdi	70-90 kDa	RR-90-95	
SOL4106B	P3HT	Poly(3-hexylthiophene-2,5-diyl)		104934-50-1	Used as an electron Donor to acceptor materials such as C60-PCBM (SOL5061) to make proven bench marked bulk heterojunction solar cells and organic transistors. Low pdi	50-70 kDa	RR-87-92	
SOL4150	12PQT	Poly(3,3''-didodecyl quarter thiophene), Poly(3,3''-didodecyl[2,2':5',2'':5'',2''-quaterthiophene]-5,5''-diyl), Poly(4,n/a4''-didodecyl[2,2':5',2'':5'',2''-quaterthiophene]-5,5''-diyl)		827343-06-6	Used as an electron Donor to Acceptor materials such as C70-PCBM (SOL5071) to make bulk heterojunction solar cells and mainly organic transistors	30-80 kDa		
SOL4160	PDCBT	Poly[4,4''-bis[[2-butyl(octyl)oxy]carbonyl][2,2'-bithiophene]-5,5'-diyl]-alt-(2,2'-bithiophene-5,5'-diyl)]		1609536-17-5	Used as an electron Donor to Acceptor materials such as ITIC (SOL6066) to make highly performant solar cells >10% PCE	30-80 kDa		
SOL4280	PCDTBT	Poly[N-9'-heptadecanyl-2,7-carbazole-alt-5,5-(4',7'-di-2-thienyl-2',1',3'-benzothiadiazole)]		958261-50-2	Low Bandgap polymer for opto-electronic applications. Can be used as electron Donor to Acceptor materials such as C70-PCBM (SOL5071)	60-90 kDa		
SOL4362	PCPDTBT	Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene)-alt-4,7(2,1,3-benzothiadiazole)]		920515-34-0	Low Bandgap polymer for optoelectronic applications. Can be used as electron Donor to Acceptor materials such as C70-PCBM (SOL5071)	25-60 kDa		
SOL4365	Si-PCPDTBT	Poly[2,1,3-benzothiadiazole-4,7-diyl[4,4-bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-b']dithiophene-2,6-diyl]]		N/A	Low Bandgap polymer for opto-electronic applications. Can be used with PC71BM (SOL5071)	30-60 kDa		
SOL4380	PCPDTTBT	Poly[2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta-[2,1-b:3,4-b']dithiophene-alt-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]		N/A	Low Bandgap polymer for opto-electronic applications	20-40 kDa		
SOL4480	PFOTBT	Poly[2,7-(9,9-di-octyl-fluorene)-alt-4,7-bis(thiophen-2-yl)benzo-2,1,3-thiadiazole]		N/A	Low Bandgap polymer for opto-electronic applications. Can be used as electron Donor to Acceptor materials such as C70-PCBM (SOL5071)	50-80 kDa		
SOL4562	PBTTT-C12	Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-b]thiophene]		888491-18-7	Polymer semiconductor used to make ink-jet printed transistors, OLED and OPV			
SOL4700M	PTB7	Poly[[4,8-bis(2-ethylhexyl)oxy]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl][3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophenediyl]]		1266549-31-8	Low Bandgap polymer for opto-electronic applications. Medium Mw	50-90 kDa		
SOL4700H	PTB7	Poly[[4,8-bis(2-ethylhexyl)oxy]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl][3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophenediyl]]		1266549-31-8	Low Bandgap polymer for opto-electronic applications. High Mw	100-250 kDa		
SOL4720	PBDTTT-EFT	Poly[[4,8-bis(4-(2-ethylhexyl)thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-2,6-diyl][3-fluoro-2-[(2-ethylhexyl)carbonyl]thieno[3,4-b]thiophenediyl]]		1469791-66-9	Low Bandgap polymer for optoelectronic applications	100-250 kDa		

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SINGLE MOLECULES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL6247	E-DTS	7,7'-[4,4-Bis(2-ethylhexyl)-4H-silolo[3,2-b:4,5-b']dithiophene-2,6-diyl]bis[6-fluoro-4-(5'-hexyl-[2,2'-bithiophen]-5-yl)benzo		1402460-84-7	Low Bandgap small molecule for opto-electronic applications. Can be used with PC71BM (SOL5071) to make >7% PCE Solar Cells	>99%		
SOL6606	ITIC	3,9-bis(2-methylene-(3-(1,1-dicyanomethylene)indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']s-indaceno[1,2-b:5,6-b']dithiophene		1664293-06-4	ITIC, a non fullerene, thermally stable electron-accepting small molecules for organic photovoltaic applications (OPV), which can replace PCBM in various systems to reach high PCE values, such as with PDCBT, >10% PCE			
SOL6706	ITIC-F	3,9-bis(2-methylene-(3-(1,1-dicyanomethylene)-6,7-difluoro)indanone))-5,5,11,11-tetrakis(4-hexylphenyl)-dithieno[2,3-d:2',3'-d']s-indaceno[1,2-b:5,6-b']dithiophene		2097998-59-7	ITIC-F, a non fullerene, thermally stable electron-accepting small molecules for organic photovoltaic applications (OPV), which can replace PCBM in various systems to reach high PCE values			
SOL1430B	Spiro-MeOTAD	2,2',7,7'-Tetrakis[N,N-di(4-methoxyphenyl)amino]-9,9'-spirobifluorene		207739-72-8	Unsublimed	99,50%		
SOL1430S	Spiro-MeOTAD	2,2',7,7'-Tetrakis[N,N-di(4-methoxyphenyl)amino]-9,9'-spirobifluorene		207739-72-8	Sublimed	99,90%		

GLASSES

GLASSES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL80485	DR1-glass	Dispersed Red 1 derivative			Glass-forming derivative of azo dye Disperse Red 1, used in non-linear optics (NLO) and for the formation of surface relief gratings (SRG)	>99%		

DYES

DYES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL70835	DYE 835				Narrow absorption peak Red to Near IR absorption: 675 nm – 835 nm Typical coefficient of absorptivity in solvent: 1.5 – 2.5 x10 ⁵ /(mol cm) Thermo resistant dye sustaining extrusion processes.			
SOL70853	DYE 853				Narrow absorption peak Red to Near IR absorption: 675 nm – 853 nm Typical coefficient of absorptivity in solvent: 1.5 – 2.5 x10 ⁵ /(mol cm) Thermo resistant dye sustaining extrusion processes			
SOL70738	DYE 738				Narrow absorption peak Red to Near IR absorption: 675 nm – 853 nm Typical coefficient of absorptivity in solvent: 1.5 – 2.5 x10 ⁵ /(mol cm) Thermo resistant dye sustaining extrusion processes			
SOL70695	DYE 695				Narrow absorption peak Red to Near IR absorption: 675 nm – 853 nm Typical coefficient of absorptivity in solvent: 1.5 – 2.5 x10 ⁵ /(mol cm) Thermo resistant dye sustaining extrusion processes			
SOL70675D	DYE 675D				Narrow absorption peak Red to Near IR absorption: 675 nm – 853 nm Typical coefficient of absorptivity in solvent: 1.5 – 2.5 x10 ⁵ /(mol cm) Thermo resistant dye sustaining extrusion processes			

INTERMEDIATES

INTERMEDIATES								
REFERENCE	ACRONYM	CHEMICAL NAME	STRUCTURE	CAS	DESCRIPTION	GRADE	SPECS	
SOL0286	TEBS				TEBS intermediate to make PTEBS			

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