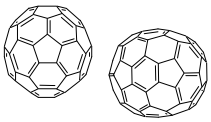
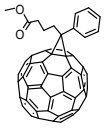
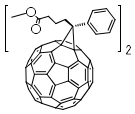
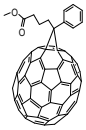
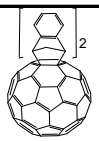
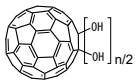
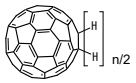
nanom

# Fullerene Products List

Ver.202410

| Grades | | Structure | Purity(HPLC Area%, typical values) etc | Minimum order quantity (g) |
|---|---|---|---|---|
| nanom purple<br>Fullerene $C_{60}$ | STL |  | 96 | 10 |
| | SUM | | 99.7/Sublimed | 1 |
| | SUH | | 99.9/Sublimed | 1 |
| nanom orange<br>Fullerene $C_{70}$ | ST |  | 97 | 1 |
| | SU | | 98/Sublimed | 0.5 |
| nanom mix<br>Mixed Fullerene | ST |  | Mixture of C60,C70 and other higher order fullerenes | 50 |
| nanom spectra<br>[60]PCBM<br>(phenyl $C_{61}$-butyric acid methyl ester) | E100 |  | 99 | 1 |
| | E100H | | 99.5 | 1 |
| | E102 | | 99.9 | 0.5 |
| nanom spectra E400<br>bis[60]PCBM<br>(bis-phenyl $C_{61}$-butyric acid methyl ester) | |  | 98/Mixture of isomers | 1 |
| nanom spectra<br>[70]PCBM<br>(phenyl $C_{71}$-butyric acid methyl ester) | E110 |  <br>main component | 99/Mixture of isomers | 0.5 |
| | E112 | | 99.5/Mixture of isomers | 0.5 |
| nanom spectra Q100<br>Indene-$C_{60}$-monoadduct | |  | 99 | 0.5 |
| nanom spectra Q400<br>Indene-$C_{60}$-bisadducts | |  | 99/Mixture of isomers | 1 |
| nanom spectra D100<br>Hydroxylated Fullerene | |  <br>(n = ca.10) | $C_{60}(OH)_n$ n=10:main component | 1 |
| nanom spectra A100<br>Hydrogenated Fullerene | |  <br>(n = ca. 30) | $C_{60}H_n$ n=30:main component | 1 |

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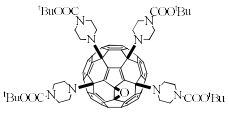
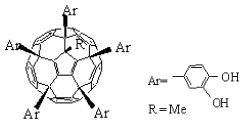
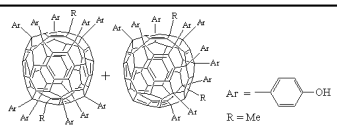
# Fullerene Products List

Ver.202410

| Grades | Structure | Purity(HPLC Area%, typical values) etc | Minimum order quantity (g) |
|---|---|---|---|
| **nanom spectra J204**<br>**tetra(amino)fullerene** |  | mixed fullerene based fullerene derivatives | 1 |
| **nanom spectra H200**<br>**penta(aryl)[60]fullerene** |  | 99 | 1 |
| **nanom spectra M100**<br>**deca(aryl)[60]fullerene** |  | 99/mixture of isomers | 1 |

## Solubility in Organic Solvent （Reference Values）

| 銘　柄 | Solubility(wt %) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | PGMEA | PGME | Anisole | CHN | THF | Toluene | ODCB | MeOH |
| NOR-ST | - | - | - | - | - | 0.2 | 1.9 | - |
| NS-E100 | 0.0 | 0.0 | 1.1 | 0.8 | 0.1 | 0.6 | 1.7 | 0.0 |
| NS-E110 | - | - | - | - | - | 3.0 | >25 | - |
| NS-E400 | 1.9 | 0.4 | >25 | >25 | >25 | >25 | >25 | 0.0 |
| NS-Q100 | - | - | - | - | - | 0.4 | - | - |
| NS-Q400 | - | - | - | - | - | >10 | - | - |
| NS-D100 | 0.0 | 2.2 | 0.0 | 1.0 | 1.8 | 0.0 | 0.0 | 0.1 |
| NS-F301 | >25 | >25 | >25 | 17.0 | >25 | >25 | >25 | 1.8 |
| NS-J204 | >25 | >25 | >25 | >25 | >25 | >25 | >25 | 0.0 |
| NS-H200 | >25 | >25 | 1.3 | >25 | >25 | 0.0 | 0.0 | >25 |
| NS-M100 | >25 | >25 | 0.7 | >25 | >25 | 0.0 | 0.0 | >25 |

※ PGMEA : Propylene Glycol 1-Monomethyl Ether 2-Acetate
PGME :1-Methoxy-2-propanol, CHN: Cyclohexanone
THF : Tetrahydrofurane
ODCB : o-Dichlorobenzene
MeOH : Methanol

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