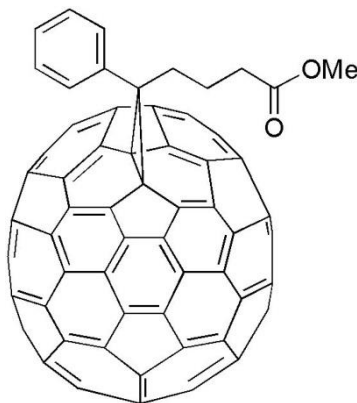




## Product information: [70]PCBM



[70]PCBM was introduced in 2003 as the major improvement for organic solar cells containing fullerene derivatives, because it has a much larger absorption of light in the visible spectrum. For most photovoltaic applications, C<sub>70</sub> derivatives such as [70]PCBM perform much better than the corresponding C<sub>60</sub> variety. [70]PCBM is a mixture of three isomers, with the major isomer present in about 85%.

Solenne produces [70]PCBM with a purity >99%. The major impurity in this material is [60]PCBM. The performance of [70]PCBM-containing photovoltaic devices is quite sensitive to certain impurities, and we maintain a strict policy regarding the absence of these compounds in our final product.

### Detailed information:

Purity:	HPLC (360 nm, fullerene content; as mixture of isomers)
CAS number:	609771-63-3
Mw:	1031.0 g/mol
Molecular formula:	C <sub>82</sub> H <sub>14</sub> O <sub>2</sub>
Appearance:	fine brown or black powder
Product codes:	07099
CoA:	available on request
Synonyms:	PC70BM, PC71BM, 70PCBM, C70-PCBM