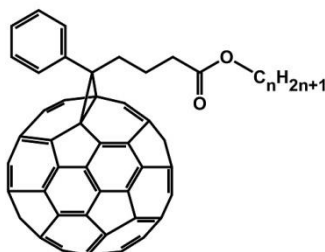




Product information: [60]PCB-Cn



The PCB-Cn molecules are more soluble than [60]PCBM. This can be desirable for systems where [60]PCBM cannot easily be dissolved at the desired concentration, or where it gives too much phase separation between the conducting polymer and the fullerene derivative.

At Solenne, we can produce a large number of these PCB-Cn derivatives. Currently, we have the following derivatives directly available:

[60]PCBE	ethyl ester	n=2
[60]PCBB	butyl ester	n=4
[60]PCBiB	isobutyl ester	n=4
[60]PCBH	hexyl ester	n=6
[60]PCBEH	2-ethylhexyl ester	n=8
[60]PCB-C8	octyl ester	n=8
F-PCBM	n-pentadecafluorooctyl ester (CH ₂ C ₇ F ₁₅)	

The purity of these derivatives is usually determined by the purity of the alcohol that is used in making these compounds. For most derivatives, the purity is >99% by HPLC. Details about the analysis are available upon request.