



**FULLERIUM™**

## malonic ester C60

99,5% Multiple isomers. DMC-soluble

### Description

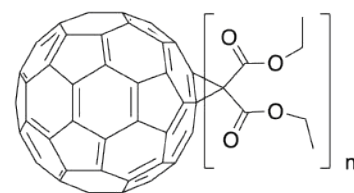
**C60-(malonic ester)<sub>n</sub>, carbonates DMC-soluble C60**, C60 malonic ester is a fullerene derivative soluble in carbonate solvents like DMC, usable in modern battery electrolytes.

Additive for battery electrolytes.

Available as an isomer mix with a number of malonic ester substituant from 3-5 groups.

Available as specific isomer with define number of malonic ester substituant  $n=3, n=4, n=5, n=6$ .

Solubility highly versatile: soluble in Carbonates, Ethyl Acetate, Methanol, Acetone, THF, Toluene, Dioxane, DMSO and many other similar solvents.



### malonic ester C60

C60-(malonic ester)<sub>n</sub>,

$n = 3-5$

**SOL5363**

99.5% Purity  
(multiple isomers)

**Grade 99.5% (SOL5363A)**

Available at **g level** (Tech centers and universities) and  
Available at **kg level** (for industrial developments).

### The Fullerium Difference by Solaris



**FULLERIUM™ - malonic ester C60 Advantages:**

- Made from highly pure 99.5% - 99.99% C60.
- High solubility on a large spectrum of solvent polarities.
- Dimethylcarbonate soluble allowing to be used in the field of battery technologies.
- Anode functionalization.
- Also available as the dicarboxylic acid, C60-(malonic acid)<sub>n</sub>, water soluble derivative (SOL5163).
- **Environmentally friendly synthesis using renewable energy. [1]**

[1] Hydroelectric powered plant in Quebec.

### Applications

- Synthesis of barbiturates, as well as sedatives and anticonvulsants, in the pharmaceutical industry.
- Organic synthesis.
- Flavoring agent in the food industry.
- Electrolyte additives for lithium-ion batteries.

### References



Malonic ester C60 powder



Malonic ester C60 in dimethylcarbonate (DMC)



Green chemistry



Environmentally friendly

SUSTAINABILITY is at the core of what we do and our engine for growth, which is why we prioritize the use of GREEN CHEMISTRY, avoid wastes, recover and recycle solvents and materials as much as possible and use renewable hydro-electrical energy to power our operations.



**FULLERIUM™** by Solaris Chem Inc.

**Buy now**