



FULLERIUM™ WSC60MA | malonic acid C60

Water-soluble

Description

C60- n-(malonic acid), Water Soluble C60, WSC60MA, Water-Soluble Fullerene derivatives can be used in medicinal research for the domain of neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent. This product can be custom-made with various counter ions. Available with malonic acid side group number (n) from 3 to 5.

The Fullerium Difference by Solaris

FULLERIUM™ - WSC60MA malonic acid C60 Advantages:

- Our highest purity grade (SOL5163A) is made from C60 99,99% water-soluble going through a synthetic process.
- Soluble in water, basic (pH > 7).
- Great growth is expected in this rapidly advancing technology.
- **Environmentally friendly synthesis using renewable energy.** [1]

[1] Hydroelectric powered plant in Quebec.

Applications

- Precursor of special polyesters.
- Component of alkyd resins used in coatings to protect against damage caused by ultraviolet light, oxidation and corrosion.
- Manufacturing processes in the electronics industry, the flavor and fragrance industry, specialty solvents, polymer crosslinking, and the pharmaceutical industry.
- Applications in industrial biotechnology to displace petroleum-based chemicals in industrial applications.
- Acidity control or as a natural preservative additive, in the food industry.
- Excipient in pharmaceutical formulations.
- Surgical adhesive.

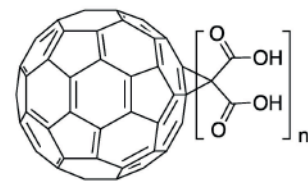
References

“Surface Alterations to Impart Antiviral Properties to Combat COVID-19 Transmission”

Author(s): Reshma Y. Siddiquie, Amit Agrawal, Suhas S. Joshi.
 © Indian National Academy of Engineering 2020.
<https://doi.org/10.1007/s41403-020-00096-9>

“Anti-Influenza Activity of C60 Fullerene Derivatives”

Author(s): Masaki Shoji, Etsuhisa Takahashi, Dai Hatakeyama, Yuma Iwai, Yuka Morita, Riku Shirayama, Noriko Echigo, Hiroshi Kido, Shigeo Nakamura, Tadahiko Mashino, Takeshi Okutani, Takashi Kuzuhara.
 June 13. <https://doi.org/10.1371/journal.pone.0066337>



WSC60MA malonic acid C60

C60-n(malonic acid)

SOL5163

99.9% Purity over all isomers

Water Soluble C60

Available from **g level**
 (for R&D, Tech centers and universities) to **kg level**
 (for industrial developments).

Grade 99.99% (SOL5163A)
 Level n > 3

Grade 99.99% (SOL5163B)
 Level n > 4

Grade 99.99% (SOL5163C)
 Level n > 5



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

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FULLERIUM™ WSC70MA | malonic acid C70

Water-soluble

Description

C70-(malonic acid)_n, Water soluble C70, WSC70MA is a precursor to 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. This product can be custom made with various counter ions to make it water-soluble. Available with malonic acid side group number (n) from 3 to 5.

The Fullerium Difference by Solaris

FULLERIUM™ - WSC70MA malonic acid C70 Advantages:

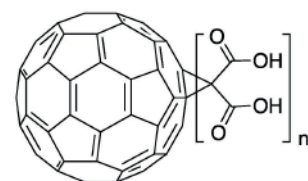
- Our highest purity grade (SOL5173A) is made from C70 99,5% water-soluble going through a synthetic process.
- Soluble in water, basic (pH > 7).
- Great growth is expected in this rapidly advancing technology.
- **Environmentally friendly synthesis using renewable energy.** [1]

[1] Hydroelectric powered plant in Quebec.

Applications

- Precursor of special polyesters.
- Component of alkyd resins used in coatings to protect against damage caused by ultraviolet light, oxidation and corrosion.
- Manufacturing processes in the electronics industry, the flavor and fragrance industry, specialty solvents, polymer crosslinking, and the pharmaceutical industry.
- Applications in industrial biotechnology to displace petroleum-based chemicals in industrial applications.
- Acidity control or as a natural preservative additive, in the food industry.
- Excipient in pharmaceutical formulations.
- Surgical adhesive.

References



WSC70MA malonic acid C70

C70-n(malonic acid)_n

SOL5173

99.5% Purity over all isomers

Water Soluble C70

Grade 99.5% (SOL5173A)

Available from **g level**
(for R&D, Tech centers and universities) to **kg level**
(for industrial developments).



Malonic acid C70 dry texture



Malonic acid C70 soluble in water



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