



FULLERIUM™ Fullerenol C60

Water-soluble

Description

C60(OH)_n, water soluble C60, polyhydroxylated fullerenes. Fullerenol is a highly water-soluble C60 derivative that can be used in medicinal researches on neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent.

The Fullerium Difference by Solaris

FULLERIUM™ - Fullerenol C60 Advantages:

- Our highest purity grade (SOL5369YY) is made starting from C60 99,99% solvent-free going through a green synthetic process without solvent to obtain a highly pure solvent-free Fullerenol.
- Easily solubilized in water within seconds.
- High solubility in water up to 250 g/L.
- Available at the **kilo level**.
- Great growth is expected in this rapidly advancing technology.
- **Synthesized via a Solvent-Free Method.** [1]
- **Green chemistry.**
- **Environmentally friendly synthesis using renewable energy.** [2]

[1] Fullerenols produced using a solvent free process insuring the purest fullerenols available.

[2] Hydroelectric powered plant in Quebec.



Fullerenol powder



Fullerenol water solution
(solubility up to 250 g/L)

FULLERIUM™ by Solaris Chem Inc.



Solvent-free

References

"Surface Alterations to Impart Antiviral Properties to Combat COVID-19 Transmission"

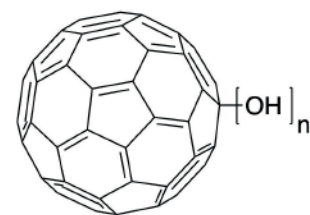
Author(s): Reshma Y. Siddiquie, Amit Agrawal, Suhas S. Joshi.

© Indian National Academy of Engineering 2020. DOI: <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, 2013. DOI: <https://doi.org/10.1371/journal.pone.0066337>



Fullerenol C60

C60(OH)_n n = 30-50

SOL5369

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

Grade 99.5% (SOL5369A) Very low solvent residual for electronics, industrial.

Grade 99.90% (SOL5369W) Solvent-free - High Purity grade for Electronics, Biomedical R&D, Pharmaceutical.

Grade 99.95% (SOL5369Y) Solvent-free - Very High Purity grade for Electronics, standards, Biomedical R&D, Pharmaceutical.

Grade 99.99% (SOL5369YY) Solvent-free - Ultra High Purity grade for Electronics, standards, Biomedical R&D, Pharmaceutical.



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.

Buy now

SOLARIS CHEM America

Headquarters & Labs
3650 Bld. Cité-des-Jeunes, Suite 101,
Vaudreuil-Dorion, Quebec, Canada J7V 8P2
Phone: (579) 217-0260
Toll Free: (855) 489-3557
Fax: (514) 635-6326
General info: info@solarischem.com
Sales: sales@solarischem.com
website: solarischem.com

SOLARIS CHEM Europe

Rnda. Circunvalación 188,
12003 Castellón, Spain
P. (+34) 643637196
europe@solarischem.com

SOLARIS CHEM Middle East

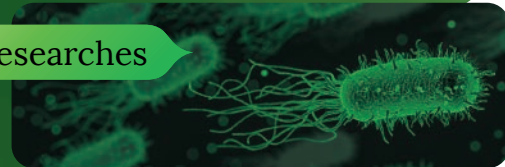
15, 4th Floor, Bldg. No. 5.,
Wafa Complex, Street 103, Area 6,
Farwaniya, Kuwait
P. +965 66459915
middleeast@solarischem.com

SOLARIS CHEM Southeast Asia

Singapore, Malaysia, Thailand,
Indonesia, Vietnam, Philippines,
Myanmar
No. 27 Woodlands Industrial Park E1,
#03-02, Singapore, 757718
P. +65 9363 8706
southeast@solarischem.com

SOLARIS CHEM Asia

China, Taiwan, Hong Kong
2F., No. 67, Aly. 30, Ln. 136,
Kangle St., Neihu Dist.,
Taipei City 114, Taiwan (R.O.C.)
P. +886 989009807
asia@solarischem.com



FULLERIUM™ Fullerenol C70

Water-soluble

Description

C70(OH)_n , water soluble C70, polyhydroxylated fullerenes. Fullerenol is a highly water-soluble C70 derivative that can be used in medicinal researches on neurodegenerative diseases, cancer, viral infection, and drug tolerances for its properties as antioxidant, antibacterial, and antiproliferative agent.

The Fullerium Difference by Solaris

FULLERIUM™ - Fullerenol C70 Advantages:

- Our highest purity grade (SOL5379A) is made starting from C70 99,90% solvent-free going through a green synthetic process without solvent to obtain a highly pure solvent-free Fullerenol.
- Easily solubilized in water within seconds.
- High solubility in water up to 250 g/L.
- Available at the **kilo level**.
- Great growth is expected in this rapidly advancing technology.
- **Synthesized via a Solvent-Free Method.** [1]
- **Green chemistry.**
- **Environmentally friendly synthesis using renewable energy.** [2]

[1] Fullerenols produced using a solvent free process insuring the purest fullerenols available.

[2] Hydroelectric powered plant in Quebec.



Fullerenol powder



Fullerenol water solution
(solubility up to 250 g/L)

FULLERIUM™ by Solaris Chem Inc.



Solvent-free

References

"Surface Alterations to Impart Antiviral Properties to Combat COVID-19 Transmission"

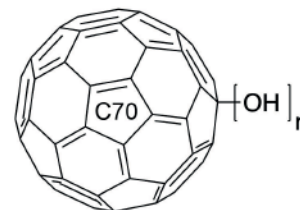
Author(s): Reshma Y. Siddiquie, Amit Agrawal, Suhas S. Joshi.

© Indian National Academy of Engineering 2020. DOI: <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, 2013. DOI: <https://doi.org/10.1371/journal.pone.0066337>



Fullerenol C70

C70(OH)_n

SOL5379

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

Grade 99.5% (SOL5379B)

Solvent-free - Very High Purity grade for electronics, standards, biomedical R&D, and pharmaceutical.

Grade 99.90% (SOL5379A)

Solvent-free - Ultra High Purity grade for electronics, standards, Biomedical R&D, and pharmaceutical.



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.

Buy now

SOLARIS CHEM America

Headquarters & Labs
3650 Bld. Cité-des-Jeunes, Suite 101,
Vaudreuil-Dorion, Quebec, Canada J7V 8P2
Phone: (579) 217-0260
Toll Free: (855) 489-3557
Fax: (514) 635-6326
General info: info@solarischem.com
Sales: sales@solarischem.com
website: solarischem.com

SOLARIS CHEM Europe

Rnda. Circunvalación 188,
12003 Castellón, Spain
P. (+34) 643637196
europe@solarischem.com

SOLARIS CHEM Middle East

15, 4th Floor, Bldg. No. 5.,
Wafa Complex, Street 103, Area 6,
Farwaniya, Kuwait
P. +965 66459915
middleeast@solarischem.com

SOLARIS CHEM Southeast Asia

Singapore, Malaysia, Thailand,
Indonesia, Vietnam, Philippines,
Myanmar
No. 27 Woodlands Industrial Park E1,
#03-02, Singapore, 757718
P. +65 9363 8706
southeast@solarischem.com

SOLARIS CHEM Asia

China, Taiwan, Hong Kong
2F., No. 67, Aly. 30, Ln. 136,
Kangle St., Neihu Dist.,
Taipei City 114, Taiwan (R.O.C.)
P. +886 989009807
asia@solarischem.com