



MER Specialty Fullerene Products

Item: ^{13}C -Enriched Fullerenes

Description: Carbon-13 isotope enriched fullerenes produced by the arc method from composite graphite rods. The fullerenes are extracted and separated using chromatography. Typical enrichment is 20-30% ^{13}C . Other levels of enrichment up to about 85% ^{13}C content available as a special order. Please inquire.

Products:

20-30% C-13 Enriched Mixed Fullerenes, typically 77% C_{60} , 21% C_{70} , 2% higher order fullerenes

Catalog# MR13MF

50 mg \$160
100 mg \$275
250 mg \$700
500 mg \$1200
1 gram \$2200

20-30% C-13 Enriched 99+% C_{60}

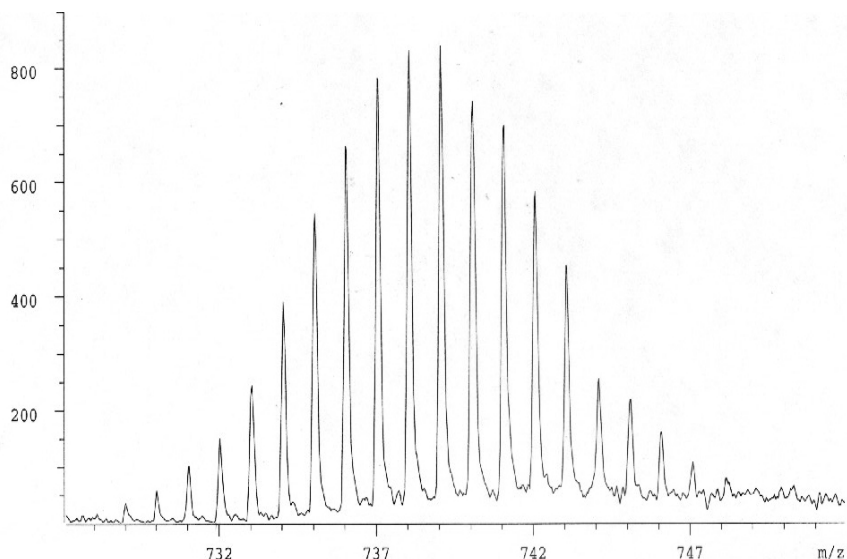
Catalog# MR613

10 mg \$120
50 mg \$425
100 mg \$720
250 mg \$1300
500 mg \$2250
1 gram \$4000

20-30% C-13 Enriched 95+% C_{70}

Catalog# MR713

25 mg \$600
50 mg \$1000
100 mg \$1500
150 mg \$1800



MALDI-TOF Mass Spectrum of MR613 Showing about 31% C-13 Enrichment.

Item: Fullerene films

Catalog# MRFILM

Description: C_{60} , C_{70} or mixed fullerenes films deposited on your choice of substrate by cold vapor deposition. Thickness 20nm to over 10 microns. Coverage reported in mg fullerene/ mm^2 substrate.

Item: C_{60} hydroxide, fullerol, polyhydroxyfullerene, $\text{C}_{60}(\text{OH})_{24}$

Catalog# MR16

Description: Fullerol produced by hydrolysis of $\text{C}_{60}\text{Br}_{24}$. Dark brown glassy fragments. Soluble in water. The material contains small amounts of sodium and water.

Price: \$2.00 per mg or \$1800.00 per gram.

Item: C_{60} bromide, $\text{C}_{60}\text{Br}_{24}$

Catalog# MR6BR

Description: $\text{C}_{60}\text{Br}_{24}$ prepared by direct bromination. Fine yellow-orange powder.

Price: \$0.50 per mg or \$200 per gram

Item: C_{60} hydride, C_{60}H_x , Catalog# MR6HX

Description: hydrogenated C_{60} with approximately 36 hydrogen ligands per C_{60} molecule. Pale yellow powder.

Price: \$0.50 per mg or \$200 per gram

Other fullerene derivatives such as $\text{C}_{60}\text{C}(\text{COOEt}_2)_2$ or endohedral fullerenes $\text{M}@\text{C}_{2n}$, where M is a lanthanide, are available as special order. Please inquire.

Please fax purchase orders to MER Corporation Nanotubes at ++(520) 574-1983. Payment in US\$ is due 30 days after receipt of the invoice. Payment accepted by check, money order, EFT or major credit card. Email, call or write if you need a formal quotation, delivery estimate or if you have questions.

Contact:

Timothy Lowe, Ph.D.

Materials and Electrochemical Research (MER) Corporation, 7960 South Kolb Road Tucson, AZ 85706

Tel. (520) 574-1980 Ext. 128 Fax (520) 574-1983

email fullerenes@mercorp.com

website: www.mercorp.com