American Dye Source, Inc.

PRODUCT BULLETIN

Revised September 2010

SOLUBLE & FUNCTIONALIZEABLE FULLERENE FOR ELECTRONICS

ADS71BFB

INTRODUCTION

Fullerenes can be used in various applications including antioxidants, biopharmaceuticals and electronic devices. American Dye Source, Inc. is now offering from gram to kilogram quantity of high purity C60, C70 and their chemical modified derivatives. We also provide custom synthesis of modified fullerenes according to the customer's specifications.

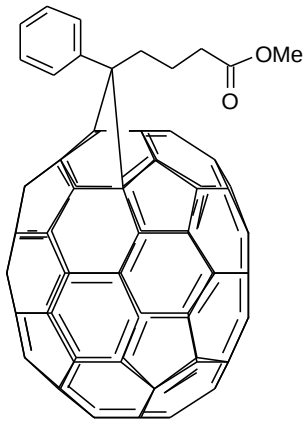
DESCRIPTION

ADS71BFB *is [6,6]-Phenyl C71-butyric Acid Methyl Ester. This product is highly soluble in toluene and chlorobenzene.* ***ADS71BFB*** *can be used as monomer for chemical and electro-polymerization with thiophene, pyrrole, aniline and their derivatives. The polymerized products can be used for fabrication of organic solar cells and photosensing devices.*

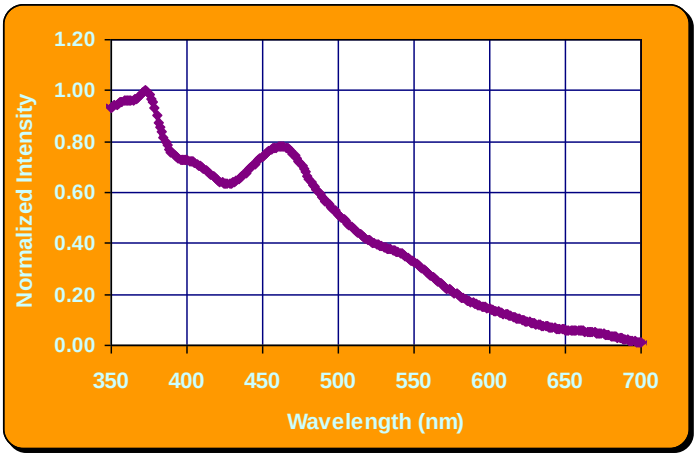
TECHNICAL DATA

- *Appearance: crystalline dark brown powder*
- *Purity: 90% - 95%*
- *Absorption maximum: 373 nm & 463 nm*
- *Shelf life: 12 months*

STRUCTURE



SPECTRA



Absorption spectra of ***ADS71BFB*** *in toluene solution*

CONTACT INFORMATION

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