

SOLUBLE FULLERENE FOR APPLICATIONS IN ORGANIC SOLAR CELLS

ADS61BFB

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.

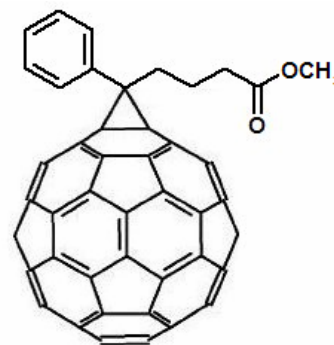
DESCRIPTION

ADS61BFB is {6}-1-(3-(methoxycarbonyl)propyl)-{5}-1-phenyl-[5,6]-C61. It is commonly known as [C61]-PCBM. **ADS61BFB** is highly soluble in toluene and chlorobenzene. It can be used with ADS100RE, ADS104RE and ADS300RE for fabrication of organic solar cells and photosensing devices.

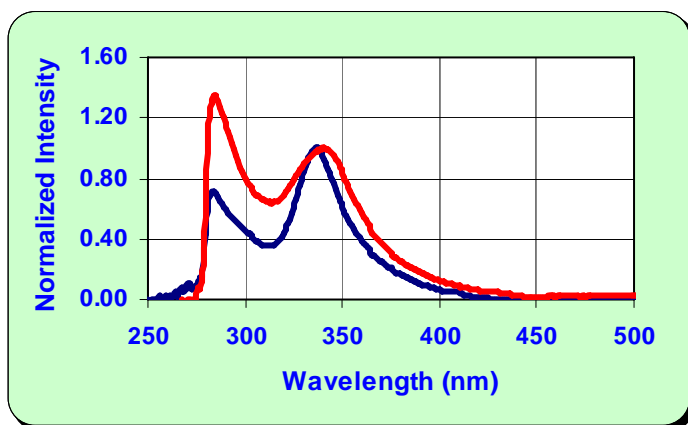
TECHNICAL DATA

- Appearance: crystalline dark brown powder
- Purity: > 99.0 %
- Solubility: 35 gram per Liter
- Absorption maximum: 284 and 341 nm
- Shelf life: 12 months

STRUCTURE



SPECTRA



Absorption spectra of **ADS61BFB** or **[C61]-PCBM** and **ADS60BFA** or **C60** in toluene solution

CONTACT INFORMATION

American Dye Source, Inc.

555 Morgan Boulevard
 Baie d'Urfe, Quebec, Canada H9X 3T6
 Tel. 514 457-0070
 Fax 514 457-0071
 Website: www.adsdyes.com
 E-mail: info@adsdyes.com

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