

SOLUBLE & FUNCTIONALIZEABLE FULLERENE FOR ELECTRONICS

ADS64BFA

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.

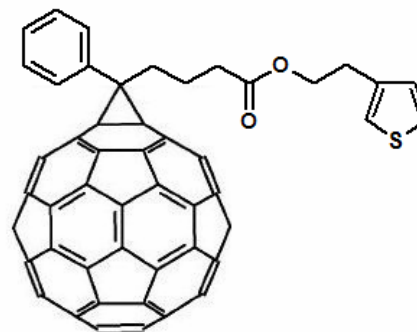
DESCRIPTION

ADS64BFA is [6,6]-Phenyl C61-butyric Acid 3-ethylthiophene Ester. This product is highly soluble in toluene and chlorobenzene. **ADS64BFA** 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.

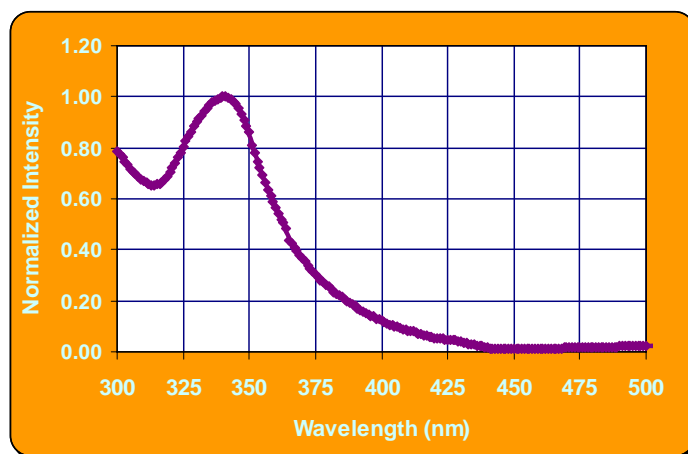
TECHNICAL DATA

- Appearance: crystalline dark brown powder
- Purity: > 99.0 %
- Absorption maximum: 341 nm
- Shelf life: 12 months

STRUCTURE



SPECTRA



Absorption spectra of **ADS64BFA** in toluene solution

CONTACT INFORMATION

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