

## FLUORENE OLIGOMERS FOR ELECTRONIC APPLICATIONS

### ADS036FO

#### INTRODUCTION

American Dye Source, Inc. offers from gram to kilogram quantity conjugated oligomers and polymers, which are derived from benzothiazole, carbazole fluorene, phenylene, phenylene-vinylene and thiophene. We supply these products in solid forms or in solutions.

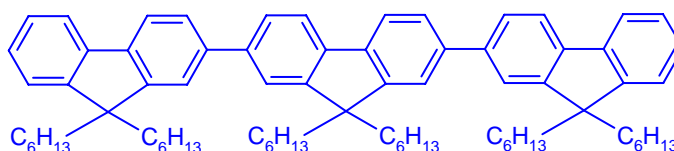
#### DESCRIPTION

ADS036FO is 9,9,9',9',9'',9''-hexakis(hexyl)-2,7';2',7''-trifluorene. This trimer is highly soluble in toluene, chlorobenzene, tetrahydrofuran, and chloroform. ADS036FO exhibits intensive blue photoluminescence and electroluminescence. This product can be used for fabrication of light emitting displays, organic solar cells, organic thin film transistor and biosensors.

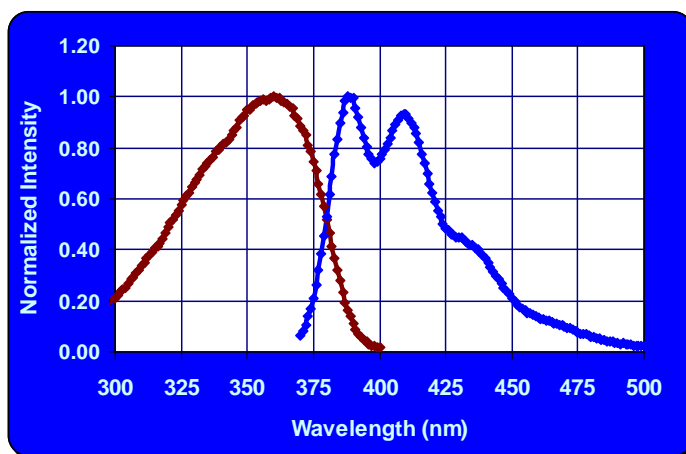
#### TECHNICAL DATA

- Appearance: light yellow powder
- Purity: 99.0%
- Molecular weight: 999.58 g mol<sup>-1</sup>
- Chemical formula: C<sub>75</sub>H<sub>98</sub>
- Melting point: 90 – 102 °C
- Absorption maximum: 360 nm
- Photoluminescent maximum: 389 nm
- Shelf life: 12 months

#### STRUCTURE



#### SPECTRA



Absorption and emission spectra of ADS036FO in THF solution.

#### CONTACT INFORMATION

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