



## ELECTROFLUORESCENT METAL COMPLEX ADS052RE

### INTRODUCTION

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

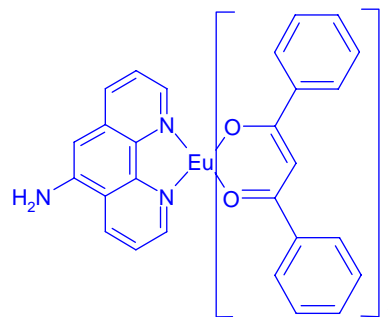
### DESCRIPTION

ADS052RE is Tris(dibenzoylmethane)-mono(5-aminophenanthroline)europium (III). ADS052RE is highly soluble in toluene and tetrahydrofuran. ADS052RE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.

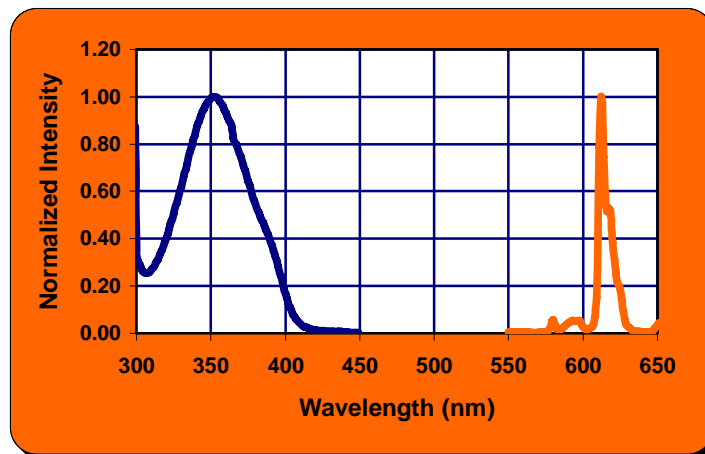
### TECHNICAL DATA

- ❑ Appearance: Light Yellow Powder
- ❑ Molecular Weight: 1017.94 g mol<sup>-1</sup>
- ❑ Decomposition Temperature: >280 °C
- ❑ Absorption maximum: 352 nm
- ❑ Photoluminescent maximum: 612 nm
- ❑ Storage: under Argon atmosphere

### STRUCTURE



### SPECTRA



Absorption and photoluminescent spectra of ADS052RE in THF solution

### CONTACT INFORMATION

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