American Dye Source, Inc.

PRODUCT BULLETIN

Revised March 2005

ELECTROPHOSPHORESCENT METAL COMPLEX

ADS075RE

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.

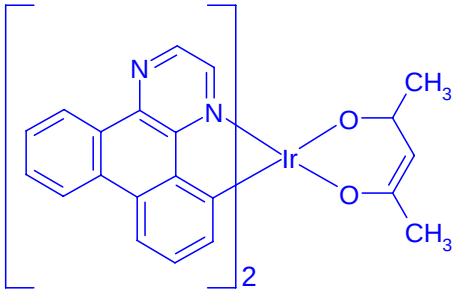
DESCRIPTION

ADS075RE *is Iridium(III)bis(dibenzo[f,h]-quinoxaline)(acetylacetonae). ADS075RE is highly soluble in toluene and tetrahydrofuran. ADS075RE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.*

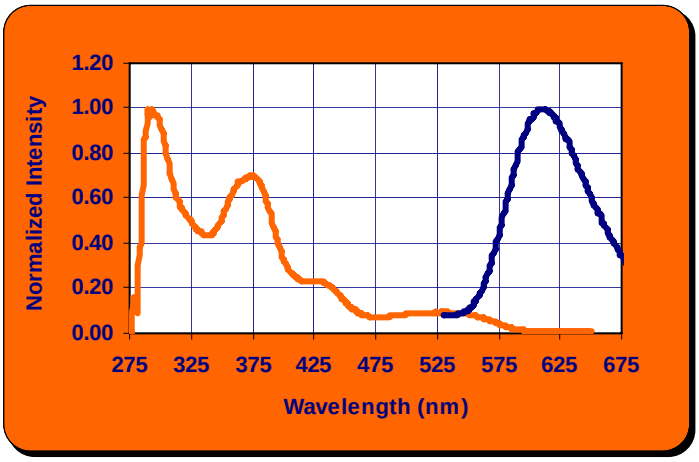
TECHNICAL DATA

- *Appearance: Red powder*
- *Molecular Weight: 752.86 g mol^{-1}*
- *Melting Point: 410 – 420 ^{o}C*
- *Absorption maximum: 289 nm*
- *Photoluminescent maximum: 611 nm*
- *Storage: under Argon atmosphere*

STRUCTURE



SPECTRA



Absorption and photoluminescent spectra of ADS075RE in THF solution

CONTACT INFORMATION

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