PRODUCT BULLETIN

Revised March 2005

ELECTROPHOSPHORESCENT METAL COMPLEX

ADS069RE

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.

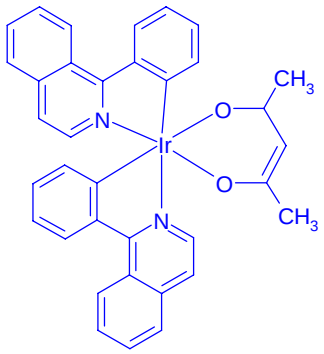
DESCRIPTION

ADS069RE *is Bis(1-phenylisoquinoline)-(acetylacetonate) iridium (III). ADS069RE is highly soluble in toluene and tetrahydrofuran. ADS069RE can be used for fabrication of light emitting displays, biosensors, as well as many other applications.*

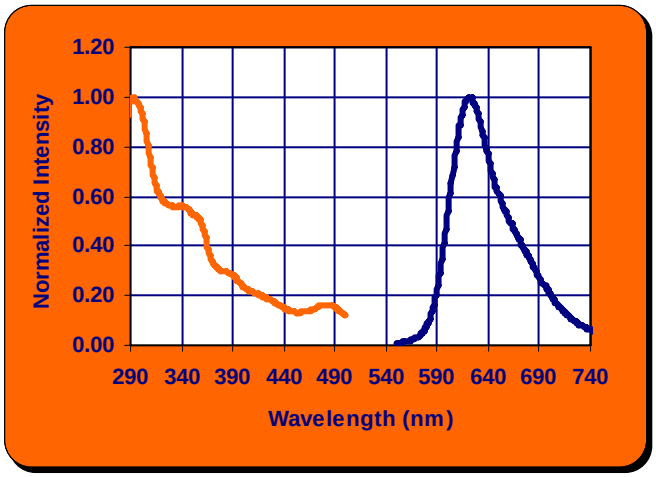
TECHNICAL DATA

- *Appearance: Red powder*
- *Molecular Weight: 702.84 g mol^{-1}*
- *Melting Point: 364 – 379 ^{o}C*
- *Absorption maximum: 289 nm*
- *Photoluminescent maximum: 620 nm*
- *Storage: under Argon atmosphere*

STRUCTURE



SPECTRA



Absorption and photoluminescent spectra of ADS069RE in THF 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

DISCLAIMER

The information in this bulletin is believed to be accurate, but all recommendations are made without warranty since the conditions of use are beyond the control of American Dye Source, Inc. The listed properties are illustrative only, and not product specifications. American Dye Source, Inc. disclaims any liability in connection with the use of the information, and does not warrant against infringement by reason of the use of its products in combination with other material or in any process.