

## SOLVENT SOLUBLE NEAR INFRARED ABSORPTION DYE

### ADS900AF

#### INTRODUCTION

American Dye Source, Inc. offers from gram to kilogram high purity near infrared absorption dyes for research and production purposes. We also provide custom synthesis of new infrared dyes according to the customer's specifications.

#### DESCRIPTION

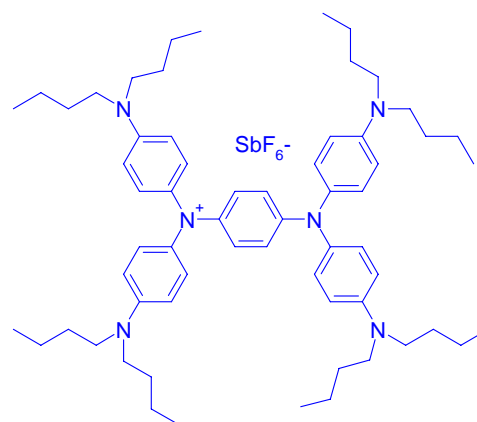
**ADS900AF** is a solvent soluble near infrared absorption dye. This NIR dye is soluble in acetone, methanol, as well as other solvents.

**ADS900AF** is an ideal dye for use in security printings, lithographic printing plates, and many other applications.

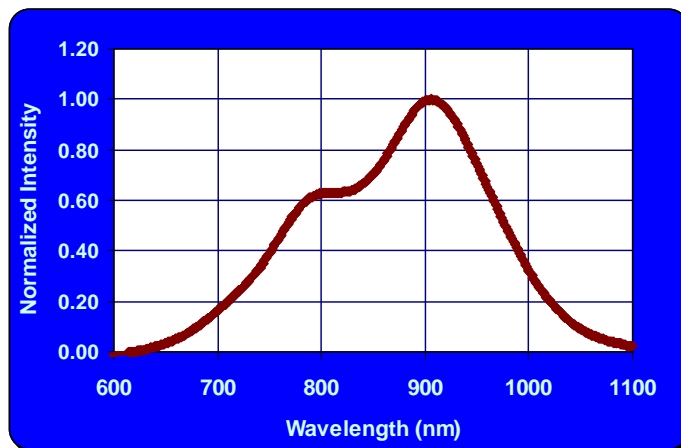
#### TECHNICAL DATA

- ❑ Appearance: Dark green powder
- ❑ CAS Registry No.: Not available
- ❑ Chemical Formula:  $C_{62} H_{96} N_6 Sb F_6$
- ❑ Purity: > 98.0 %
- ❑ Formula Weight: 1157.19 g/mol
- ❑ Decomposition Temp.: 163 °C
- ❑ Absorption Maximum: 906 nm (acetone)
- ❑ Absorption Coefficient:  $8.75 \times 10^4$  L/mol cm

#### STRUCTURE



#### UV-VIS-NIR SPECTRUM



Absorption spectrum of ADS900AF in acetone 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](http://www.adsdyes.com)

E-mail: [info@adsdyes.com](mailto:info@adsdyes.com)

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