

WATER SOLUBLE LASER DYE

ADS560WS

INTRODUCTION

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

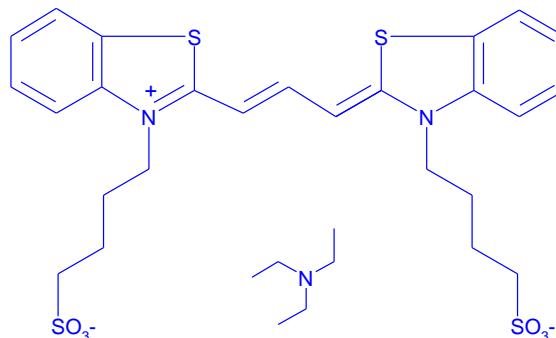
DESCRIPTION

ADS560WS is 3-(4-Sulfobutyl)-2-[3-[3-(4-sulfobutyl)-3H-benzothiazol-2-ylidene]-1-propenyl]-benzothiazolium, inner salt, triethyl ammonium salt. **ADS560WS** is highly soluble in water as well as other solvents. **ADS560WS** is an ideal dye for use in security printings, lithographic printing plates, and many other applications.

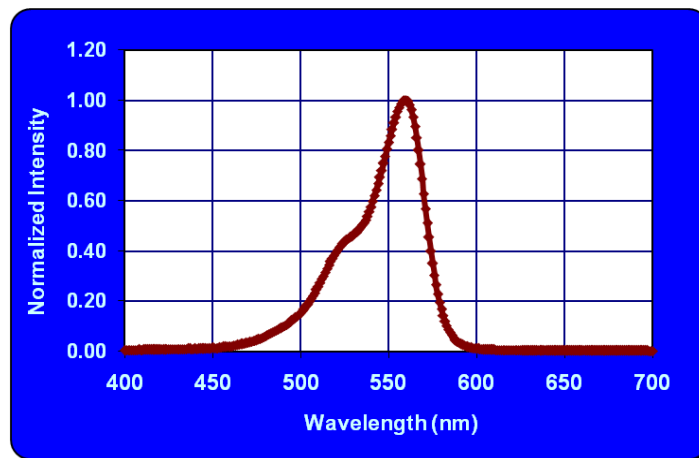
TECHNICAL DATA

- ❑ Appearance: Black powder
- ❑ Chemical Formula: $C_{31}H_{42}N_3O_6S_4$
- ❑ Formula Weight: 680.93 g/mol
- ❑ Decomposition Temp.: 278 – 280 °C
- ❑ Absorption Maximum: 559 nm
- ❑ Absorption Coefficient: 1.7×10^5 L/mol cm

STRUCTURE



UV-VIS-NIR SPECTRUM



Absorption spectrum of ADS560WS in methanol

CONTACT INFORMATION

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