

# Hampford Research INC

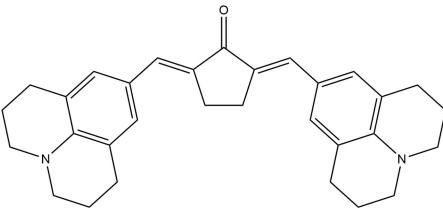
Handcrafted Solutions For A High-Tech World

## **JAW** FP 5200

#### General

JAW is a sensitizing dye designed to increase the UV energy absorption outside the normal range of the photoinitiator. This increases the effective spectral range, transferring this energy to the photoinitiator. This is especially effective with HABIs.

#### **Chemical Structure**



#### **Product Information**

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|-------------------|--|
| Product Type:     | Sensitizer; Sensitizing Dye  |
| CAS Number:       | 125594-50-5  |
| Product Name:     | 2,5-bis(julolidenyl)cyclopentanone   |
| Synonyms:         | 2,5-Bis[(2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizin-1-<br>yl)methylene]cyclopentanone; JAW |
| Applications:     | Electronics; Holographic Dyes/Films  |
| Key Features:     | Photosensitizer; Visible Light Absorbance; Pairs with HABIs;<br>Blue-Green Light Absorbance  |
|                   |  |

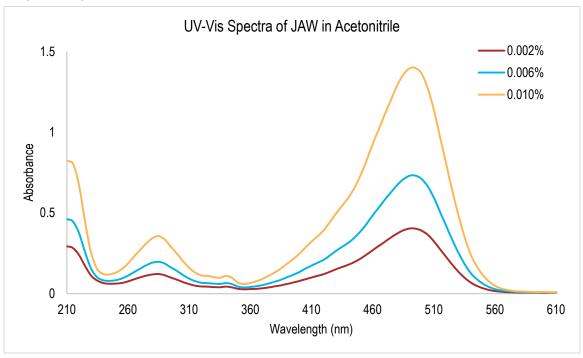
### **Typical Properties**

Appearance: λ Max: Melting Point: Molecular Weight: Reddish-orange Crystalline/Powdery Solid 493 – 498nm 258 – 272°C (Capillary) 450.62 g/mole

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#### **Absorption Spectrum**



#### Safety and Handling

Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Handle in a well-ventilated area with suitable protective equipment. Use local exhaust if dust will be generated.

JAW is sensitive to visible light. Exposure to sunlight should be avoided.

Detailed information is provided in the SDS.

For additional information visit our website www.hampfordresearch.com.

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