

**American Dye Source, Inc.**

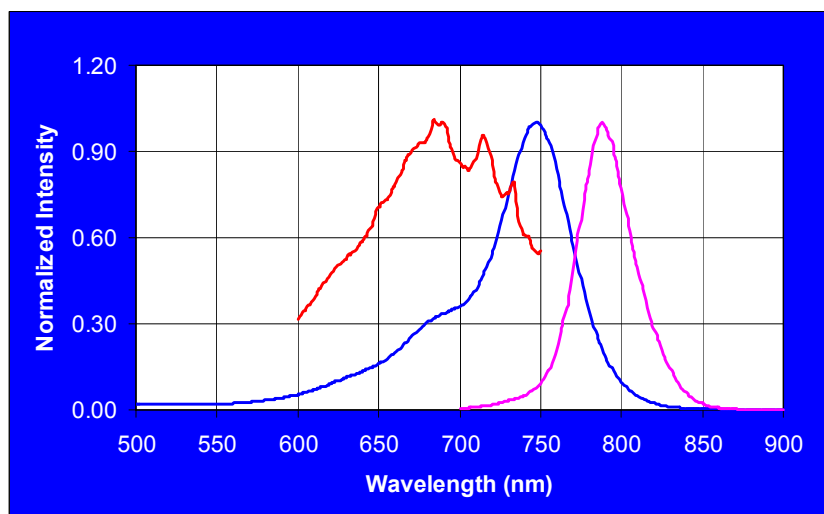
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**PRODUCT INFORMATION**

Product	<b>Absorption and Fluorescent Dye ADS740WS</b>
Chemical Name	2-[7-(1,3-Dihydro-3,3-dimethyl-1-(4-sulfobutyl)-2H-indol-2-ylidene)-1,3,5-heptatrienyl]-3,3-dimethyl-1-(4-sulfobutyl)-3H-indolium, inner salt, monosodium salt
Appearance	Brown powder
Purity	98.0 %
Chemical Formula	C <sub>35</sub> H <sub>43</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na
Molecular Weight	674.81 g mol <sup>-1</sup>
Melting Point	149 – 151 °C (with decomposition)
Absorption Maximum	745 nm (in methanol)
Absorption Coefficient	1.90 x 10 <sup>5</sup> L mol <sup>-1</sup> cm <sup>-1</sup>
Excitation Maximum	685 nm (in methanol)
Fluorescent Maximum	788 nm (in methanol)
Chemical Structure	



Excitation, Absorption and Fluorescent Spectra of ADS740WS in methanol