

American Dye Source, Inc.

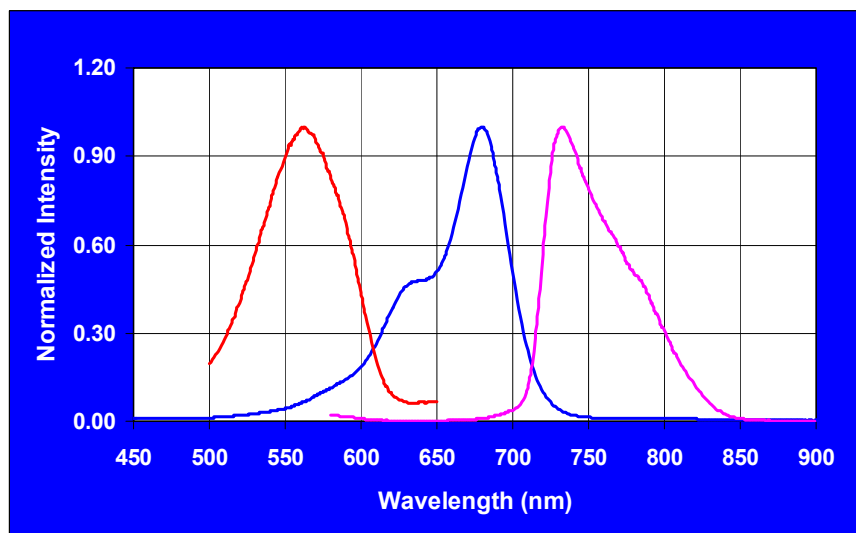
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**PRODUCT INFORMATION**

Product	Functional Absorption and Fluorescent Dye ADS680HO
Chemical Name	2-[5-(1,3-Dihydro-3,3-dimethyl-(2-hydroxyethyl)-2H-benz[e]indol-2-ylidene)-1,3-pentadieny]-3,3-dimethyl-1-(2-hydroxyethyl)-3H-benz[e]indolium perchlorate
Appearance	Dark brown powder
Purity	98.0 %
Chemical Formula	C ₃₇ H ₃₉ N ₂ O ₆ Cl
Melting Point	246 – 248 °C (with decomposition)
Molecular Weight	643.18 g mol ⁻¹
Absorption Maximum	678 nm (in methanol)
Absorption Coefficient	2.00 x 10 ⁵ L mol ⁻¹ cm ⁻¹
Excitation Maximum	560 nm (in methanol)
Fluorescent Maximum	733 nm (in methanol)
Chemical Structure	



Excitation, Absorption and Fluorescent Spectra of ADS680HO in methanol