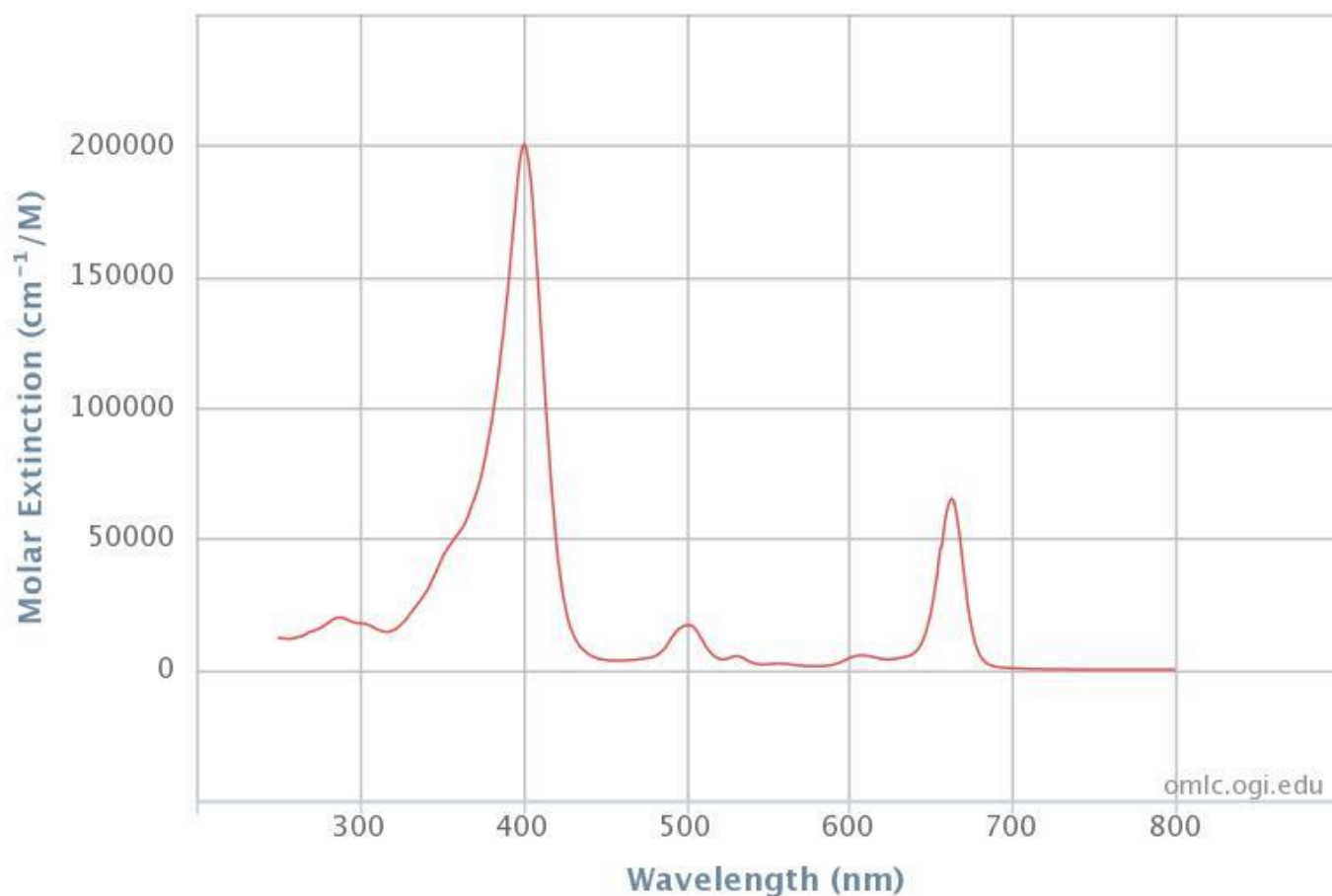




The optical absorption of chlorin e6

Chlorin e6 in ethanol



This optical absorption measurement of Chlorin e6 were made by M. Taniguchi on 10-02-2004 using a HP 8453. The absorption values were collected using a spectral bandwidth of 1.0 nm.

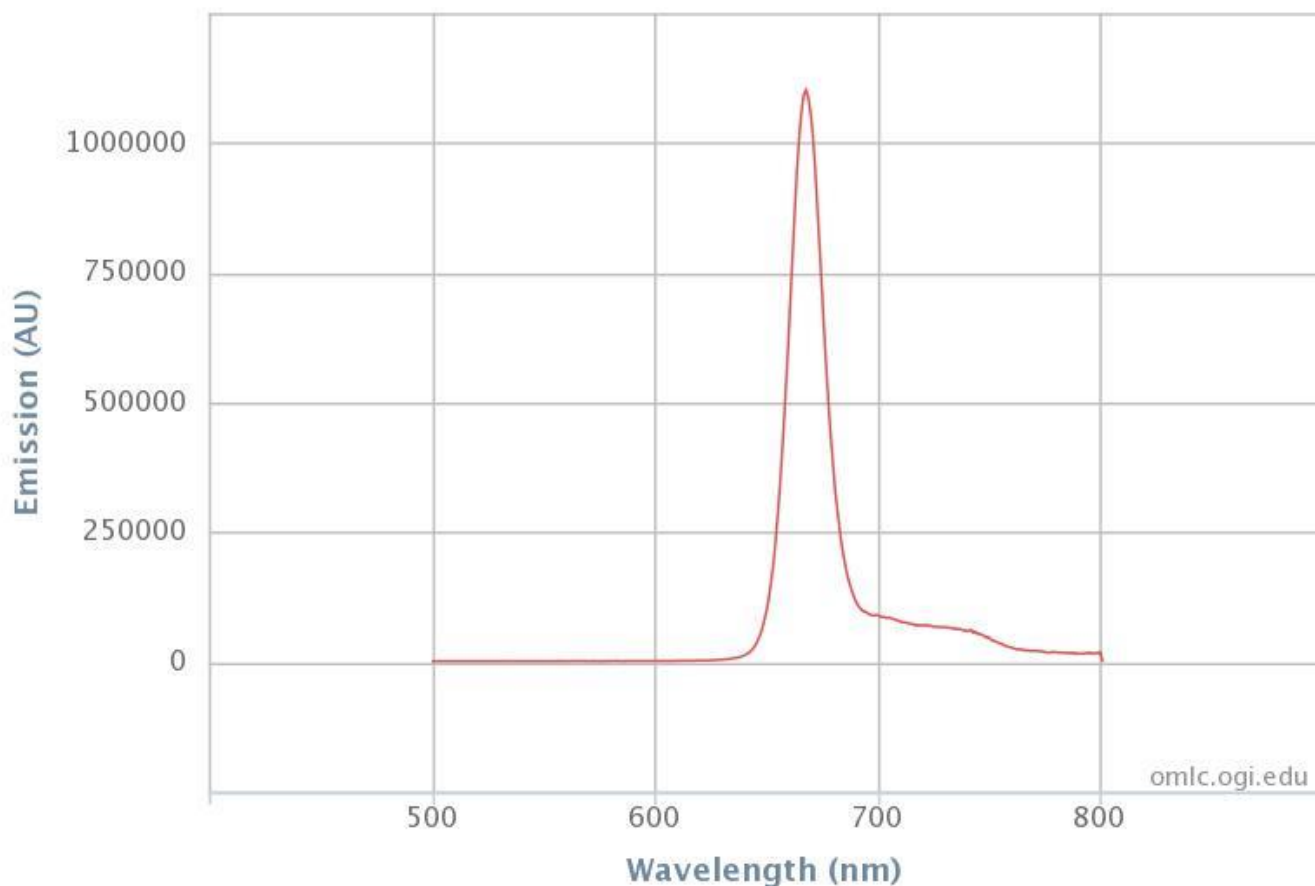
These measurements were scaled to make the molar extinction coefficient match the value of 55,000cm⁻¹/M at 667.0nm (Nyman, 2004).

Note: The above information is copied <http://omlc.org.edu/spectra/PhotochemCAD/html/141.html>. The test result was not done by MedKoo.



The fluorescence emission spectrum of Chlorin e6

Chlorin e6 in ethanol



The fluorescence emission spectrum of Chlorin e6 dissolved in ethanol. The quantum yield of this molecule is 0.16 (Kay, 1994). This spectrum was collected by on 10-02-2004 using a PTI QM-4/2003 SE. The excitation and emission monochromators were set at 0.25 nm, giving a spectral bandwidth of 1 nm. The data interval was 1 nm and the integration time was 1 sec.

Samples were prepared in 1cm pathlength quartz cells with absorbance less than 0.1 at the excitation and all emission wavelengths to uniformly illuminate across the sample, and to avoid the inner-filter effect. The dark counts were subtracted and the spectra were corrected for wavelength-dependent instrument sensitivity.

Note: The above information is copied <http://omlc.org.edu/spectra/PhotochemCAD/html/141.html>. The test result was not done by MedKoo.