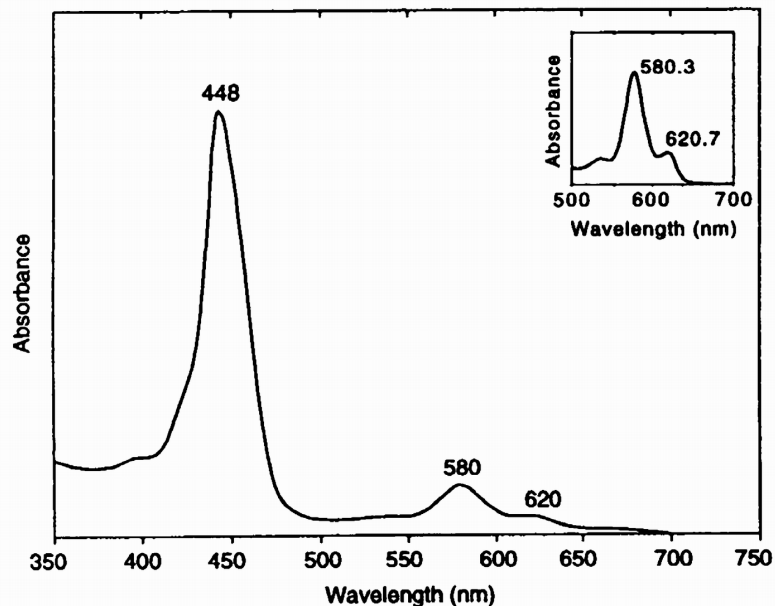
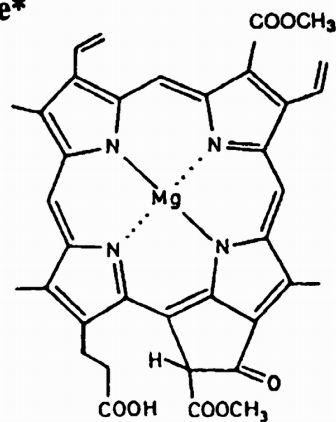


## Standard spectrum in reference solvent: diethyl ether

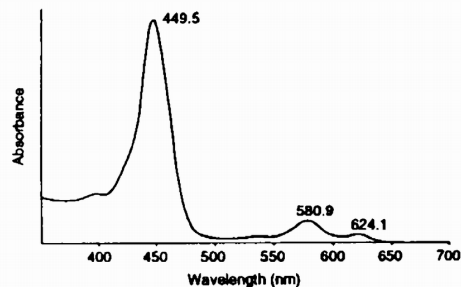


## Molecular structure\*



\*Tentative evidence,  
Fookes and Jeffrey  
(unpublished)

## Spectrum in SCOR eluant

HPLC: Chl *c*<sub>CS-170</sub>  
*Micromonas pusilla* (CS-170)

Does not separate by  
the Wright *et al.* (1991)  
HPLC method. Separated  
by HPTLC method  
of Jeffrey (1989);  
see Chapter 7

## Property

## Data

<b>Name:</b>	(Trivial) (IUPAC)	<b>Chlorophyll <i>c</i><sub>CS-170</sub></b> Structure not confirmed; evidence suggests a propionate derivative of chl <i>c</i> <sub>3</sub> (Fookes & Jeffrey, unpublished)
<b>SCOR abbreviation:</b>		Chl <i>c</i> <sub>CS-170</sub>
<b>Occurrence:</b>		<i>Micromonas pusilla</i> (CS-170)
<b>Colour</b>		Light green on TLC; emerald green (concentrated solution)
<b>Molecular formula:</b>		C <sub>36</sub> H <sub>30</sub> N <sub>4</sub> O <sub>7</sub> Mg (to be confirmed)
<b>Molecular weight:</b>		654.96
<b>Specific extinction coefficient:</b>		Not known; use α for chl <i>c</i> <sub>1</sub> + <i>c</i> <sub>2</sub> mixture α (l g <sup>-1</sup> cm <sup>-1</sup> )
<b>Molar extinction coefficient:</b>		Not known; use ε for chl <i>c</i> <sub>1</sub> + <i>c</i> <sub>2</sub> mixture ε (l mol <sup>-1</sup> cm <sup>-1</sup> )

## UV-vis spectra:

Solvent	Absorbance maxima (nm)			Band ratio*	Reference
Diethyl ether	448	580	620	22.1	Jeffrey (1989)
HPLC eluant	449.5	580.9	624.1	26.6	Jeffrey (unpublished)

## Fluorescence spectra:

\*Soret (blue maximum): red ratio

Solvent	Excitation (nm)	Emission (nm)	Reference
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No data available

## Alteration products:

Not known

Culture from which SCOR  
data were obtained:

*Micromonas pusilla* (CS-170) (prasinophyte);  
also contains Mg divinyl pheophytin *a*<sub>5</sub>  
monomethyl ester

## Additional reference(s):

Jeffrey (1989)