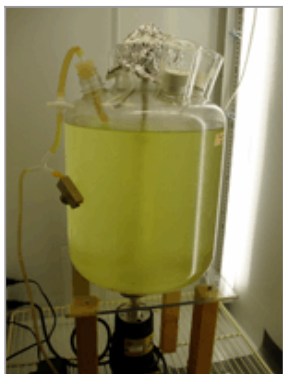


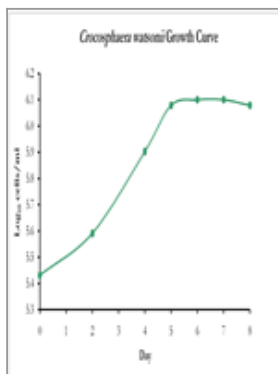
SpecDROM

Crocospaera watsonii

Class: Cyanophyceae Abundant in waters warmer than ca. 24°C, Crocospaera can reach high cell densities in the natural environment due in part to a rapid growth rate. By segregating its metabolic processes on a diel cycle, this cyanobacterium is capable of photosynthesis as well as nitrogen fixation, in which inorganic nitrogen gas (N₂) is converted to organic nitrogen. Cyanobacteria are key components of marine phytoplankton, especially in oligotrophic regions where they are often found to be the main primary producers. Cells are ca. 3-6 µm in diameter.



[Methods](#)



[Culture](#)

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SpecDROM			
Compound Summary Table			
Ret. Time	Molecular Wt.	Quantum	Response
13.00	15.84	340	371
13.00	15.84	208	
13.00	15.84	190	
13.00	15.84	204	
15.70	16.74	181	257
16.40	16.74	102	403 1200
16.40	16.84	110	408
17.00	17.84	270	278
17.00	17.84	304	
18.10	18.74	270	278
18.10	18.74	704	708
18.10	18.74	704	708
18.10	18.74	270	278
18.80	18.84	840	
19.00	19.84	640	
19.70	19.74	1087	
19.80	19.84	48	604 730 762
20.00	20.84	100	100 100 100
20.00	20.84	616	
20.00	20.84	701	723 771
20.00	20.84	600	
20.00	20.84	687	721
20.70	20.74	780	803
21.10	21.74	200	
21.70	21.74	273	288
23.30	23.30	447	
23.70	23.74	340	
24.20	24.24	200	

[Analytical](#)

[Results](#)

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