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等鞭金藻的脂質形成過程與超微結構之研究

劉清標 林良平

國立台灣大學農業化學研究所

利用光學及穿透式電子顯微鏡技術，觀察海洋微藻 *Isochrysis* sp. CCMP 1324 其形態與脂肪形成之過程，發現其脂肪含有多元不飽和脂肪酸，尤其是廿二碳六烯酸 (DHA)，為時下流行之健康食品，對於人體健康維護及水產養殖之餌料，提供相當大之助益。在 10% CO₂ 之通氣及 10 klux 之連續照明下，細胞中廿二碳六烯酸之含量繼續增加至八天之培養，最終含量為每升含 16 毫克。實驗中並探討其脂肪在生長過程之形成與變化，為首次利用電顯探討等鞭金藻油脂形成之研究報告。

關鍵詞：廿二碳六烯酸；等鞭金藻；油脂形成；多元不飽和脂肪酸；超微結構。