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Antioxidant activity of alcohol aqueous extracts of *Crypthecodinium cohnii* and *Schizochytrium* sp.

Key words: *Crypthecodinium cohnii*, *Schizochytrium sp.*, Alcohol aqueous extract; Antioxidant activity, Total phenolics

Research Summary

This article mainly studied the different polarity fractions of alcohol aqueous extracts of *Crypthecodinium cohnii* and *Schizochytrium* sp. by the following method:

- Total antioxidant capacity determination，(TAC)
- DPPH radical scavenging assay (DPPH)
- Ferrous ion-chelating ability assay (FICA)
- reducing power (RP)

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Result and Conclusion

The results showed that different polar extracts of the two microalgae had certain antioxidant effects, and phenolics might be the major components contributing to their antioxidative function. Therefore, other products could be considered for exploitation in addition to polyunsaturated fatty acids.

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