LC Technical Note

Analysis of Fucoxanthin in Seaweed by HPLC

LT030 GL Sciences Inc.

This is an application data of analyzing Fucoxanthin in food by HPLC. Fucoxanthin is a carotenoid, which exists in a lot of brown algaes and is a strong antioxidative potency compound. Fucoxanthin are confirmed to have an anticancer effect in some experiment tests. As a sample preparation procedure, solvent extraction was first done and then a centrifugation separation was conducted to remove suspended solids.

Detection was made by a GL-7452 PDA detector and confirmed a good peak. (K. Suzuki)

Analysis of Standard Solution



Analysis of seaweed



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