

# Bioactive Phenolic Compounds from the Egyptian Red Sea

## Seagrass *Thalassodendron ciliatum*

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Five flavonoids (rutin, asebotin, 3-hydroxyasebotin, quercetin-3-*O*- $\beta$ -xylopyranoside, and a racemic mixture of catechin) and caffeic acid were isolated and identified for the first time from seagrass, *Thalassodendron ciliatum*, collected from the Hurghada region in Egypt. The crude extract and the isolated pure compounds were evaluated for their cytotoxic activities against HCT-116, HEPG, MCF-7, and HeLa human cancer cell lines, for their antiviral activity against Herpes Simplex and hepatitis A viruses, and for their antioxidant activity.

**Key words:** Flavonoids, Red Sea, *Thalassodendron ciliatum*