

Supplementary Materials

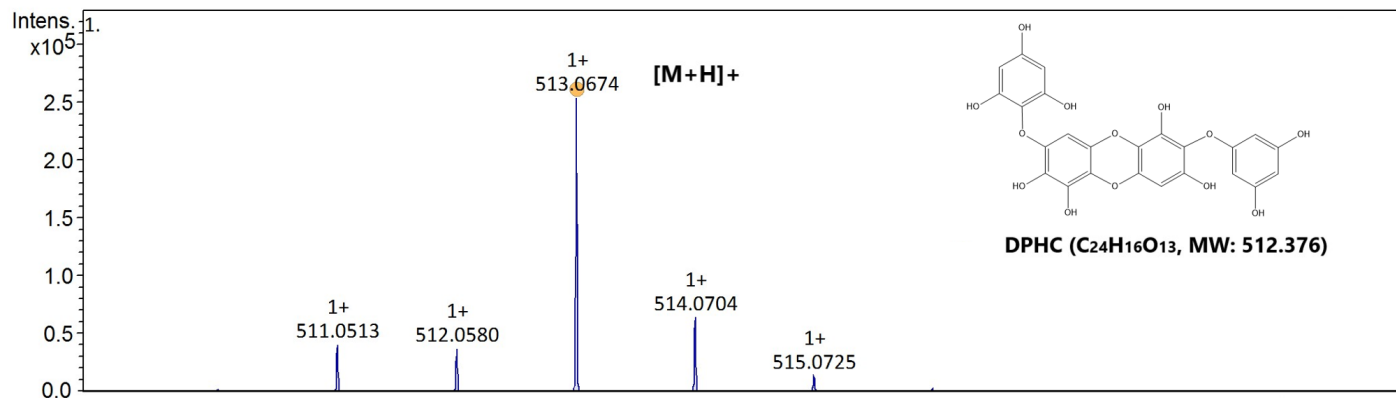
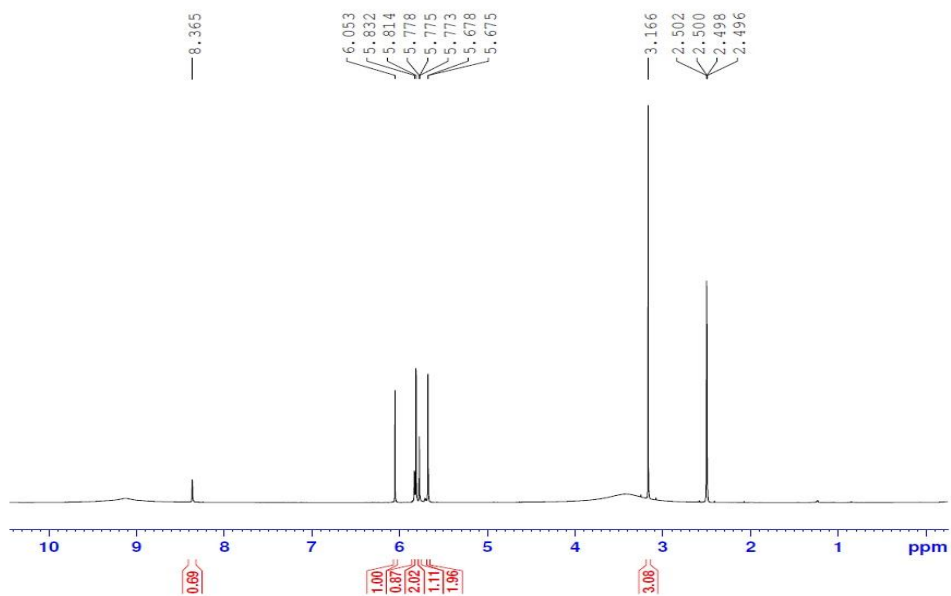
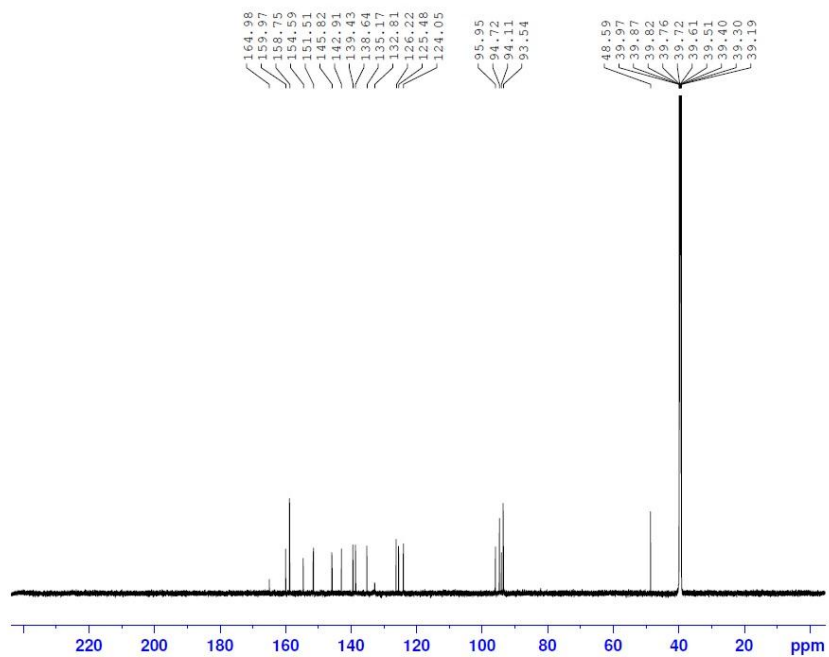


Figure S1. Mass data and chemical structure (Inner panel) of DPHC isolated from *Ishige okamurae*.

Supplementary Materials



(a)



(b)

Figure S2. ¹H (a) and ¹³C (b) nuclear magnetic resonance (NMR) spectra of DPHC isolated from *Ishige okamurae*.