

Supplementary Materials

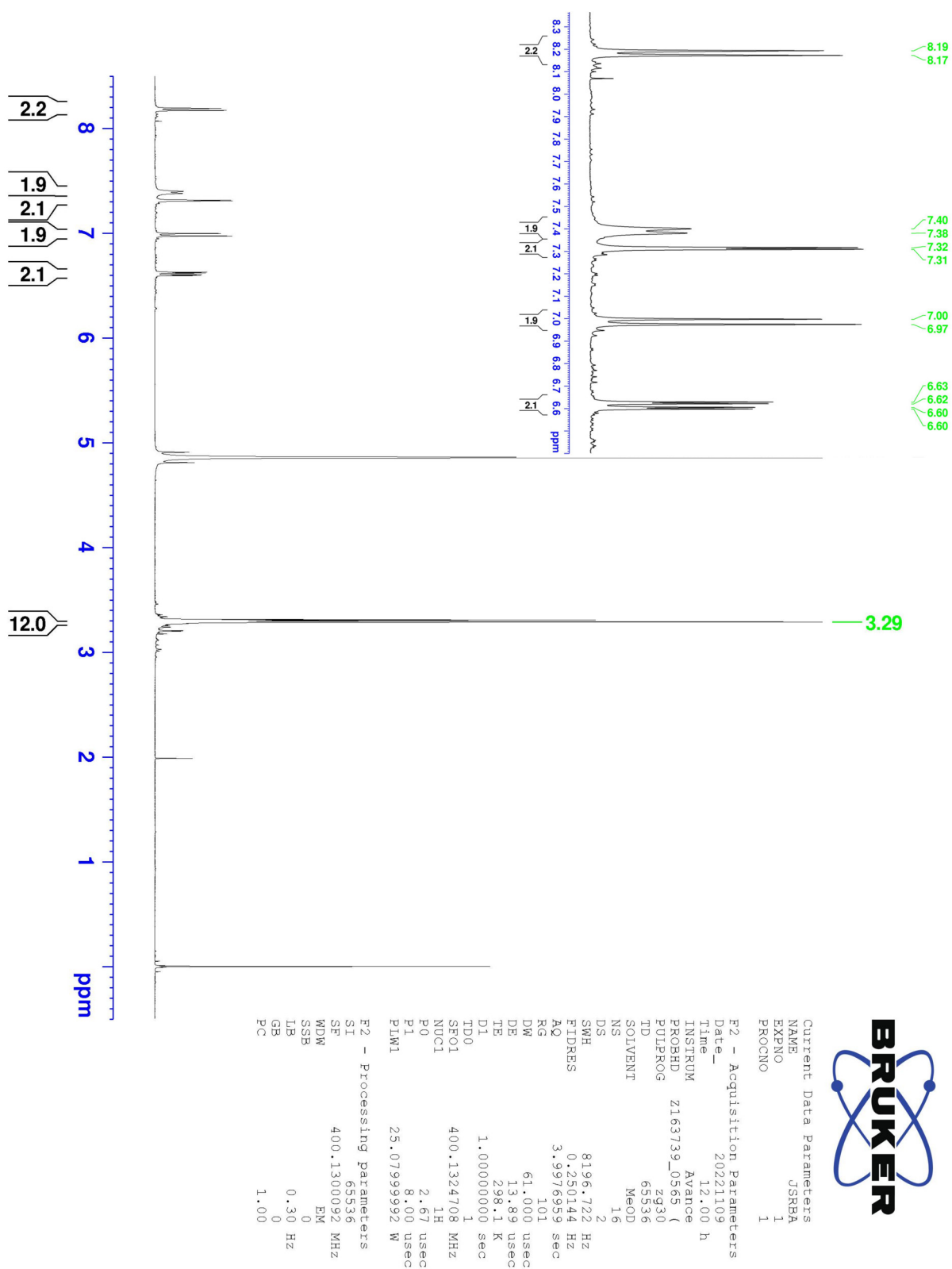


Figure S1. ¹H NMR spectrum of BRhoC (400 MHz, CD₃OD).

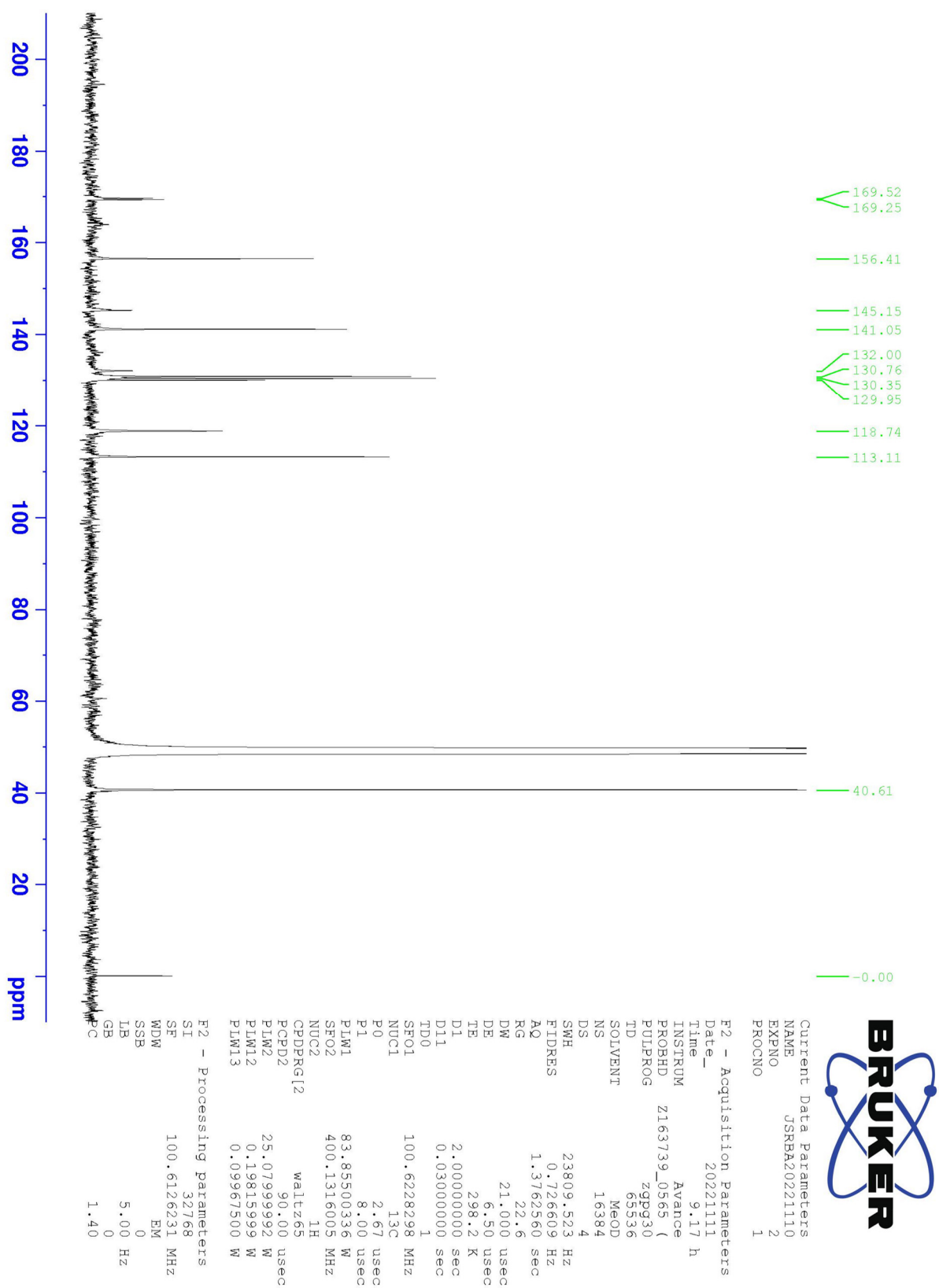


Figure S2. ¹³C NMR spectrum of BRhoC (100 MHz, CD₃OD).

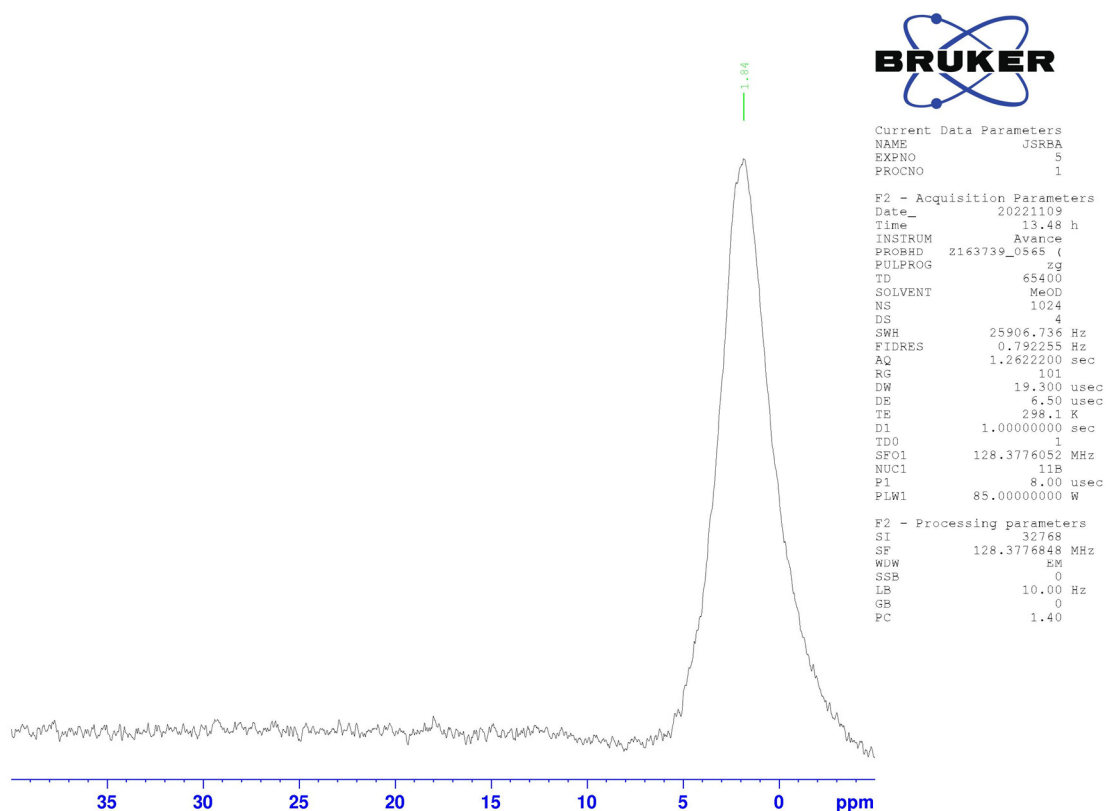


Figure S3. ^{11}B NMR spectrum of BRhoC (128 MHz, CD_3OD).

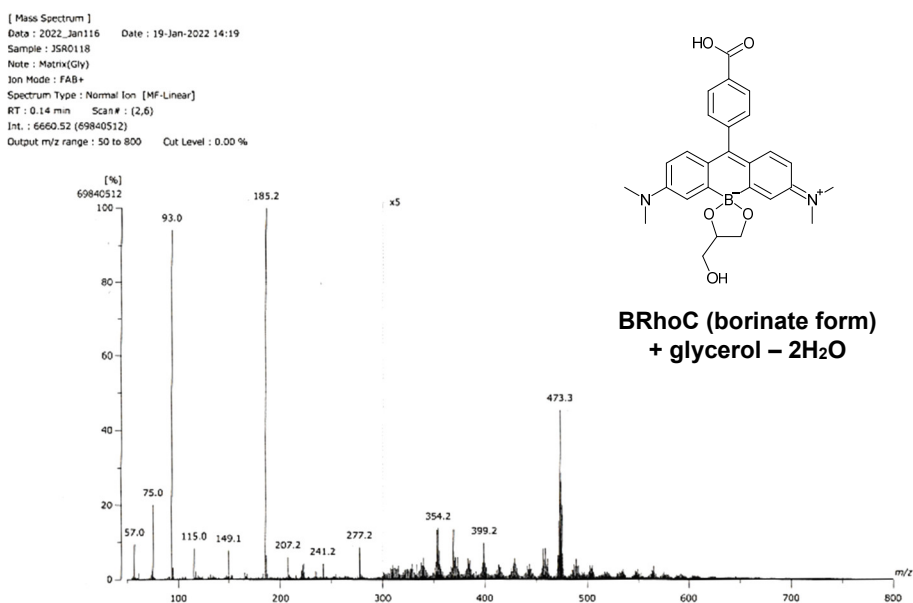


Figure S4. Mass spectrum of BRhoC (FAB, positive mode, matrix: glycerol, solvent: CH_3OH). A peak was observed at 473. The expected m/z value for $[\text{BRhoC (borinate form)} + \text{glycerol} - 2\text{H}_2\text{O} + \text{H}]^+$ is 473.

[Mass Spectrum]
 Date : 2021_Dec47 Date : 23-Dec-2021 09:56
 Sample : 1222 1624
 Note : Matrix(Gly)
 Ion Mode : FAB+
 Spectrum Type : Normal Ion [MF-Linear]
 RT : 0.59 min Scan# : (6,12)
 Int. : 2050.90 (21505232)
 Output m/z range : 50 to 700 Cut Level : 0.00 %

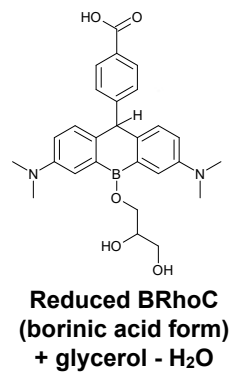
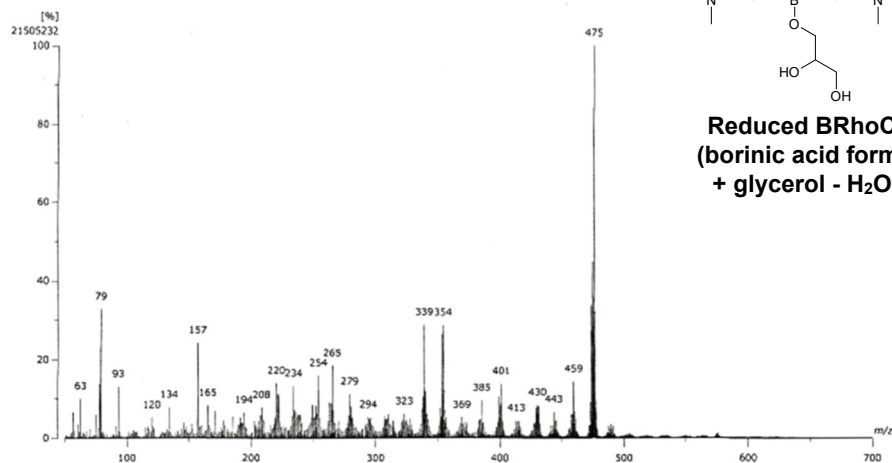


Figure S5. Mass spectrum of reduced BRhoC (FAB, positive mode, matrix: glycerol, solvent: CH₃OH). A peak was observed at 475. The expected m/z value for [the reduced BRhoC (borinic acid form) + glycerol - H₂O + H]⁺ is 475.

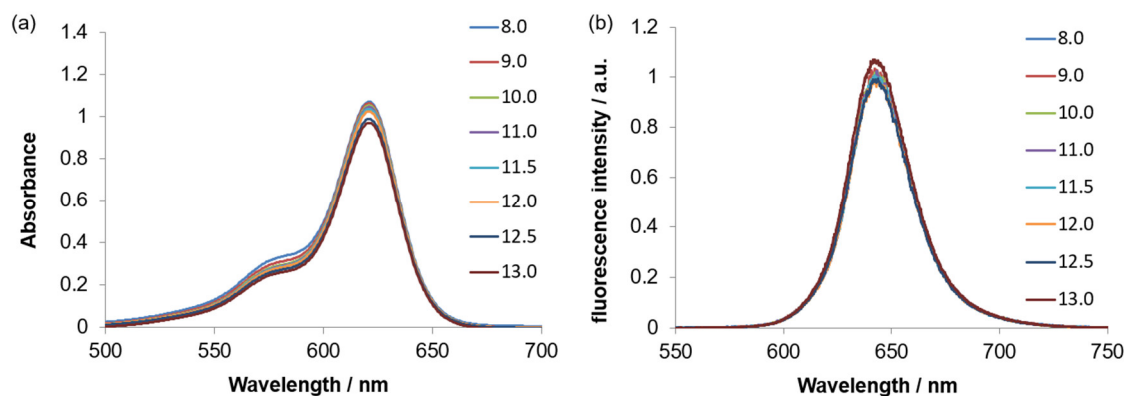


Figure S6. Effect of the pH on the absorption (a) and fluorescence (b) spectra of BRhoC (8.7 μ M in 10 mM HEPES aqueous solution, pH 8–13).