

Table of Contents

Spectroscopic characterization of 4a and 4b	02
FTIR spectra of starches.....	05

Spectroscopic characterization

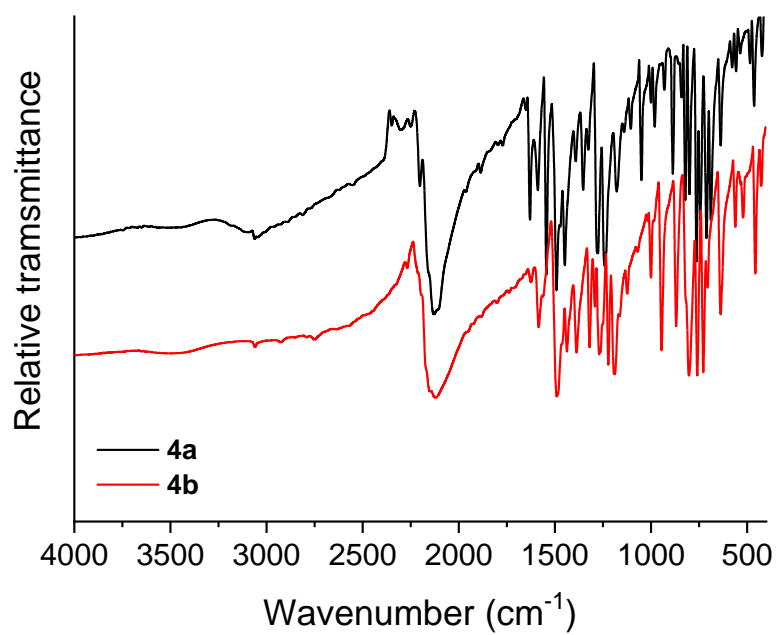


Figure S1. FTIR spectra of fluorophores **4a** and **4b**.

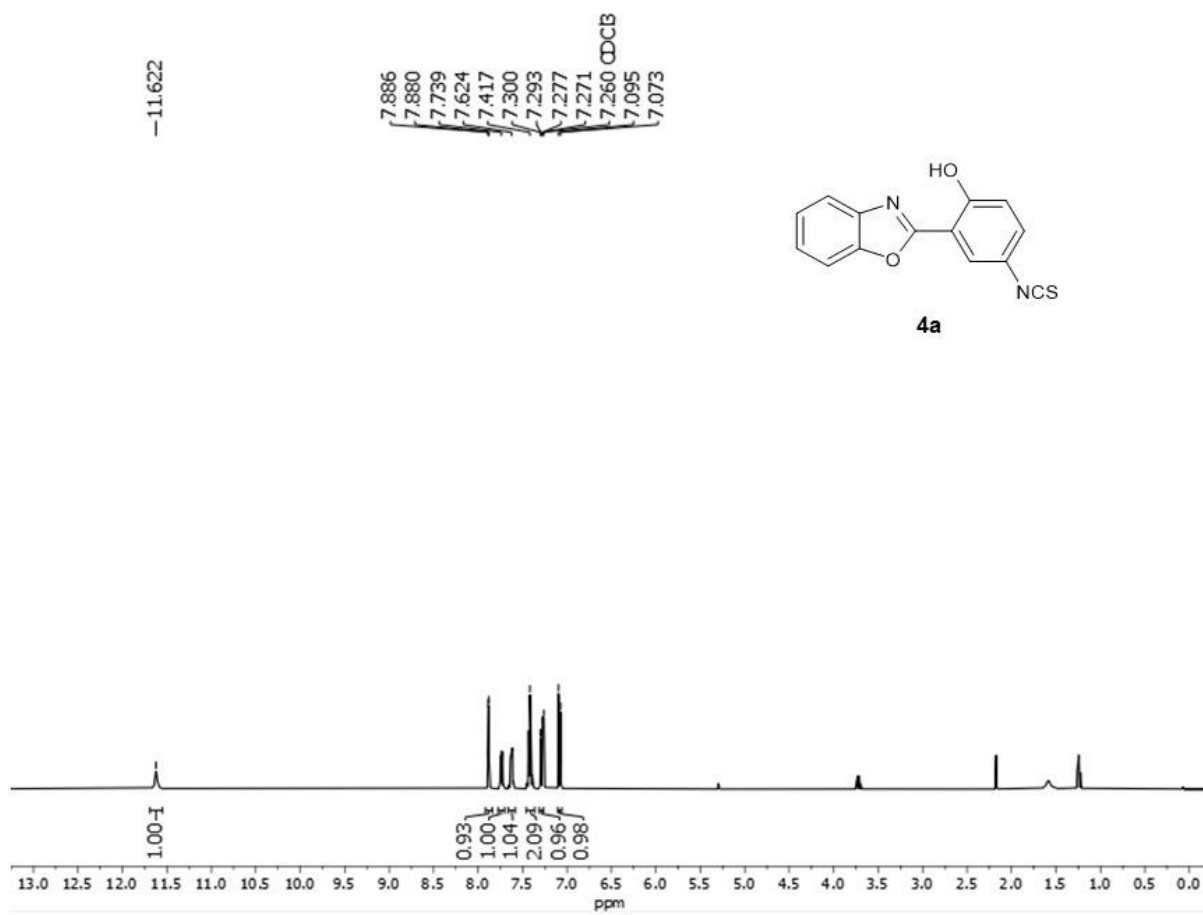


Figure S2. ¹H NMR spectrum (CDCl₃, 400 MHz) of fluorophore **4a**.

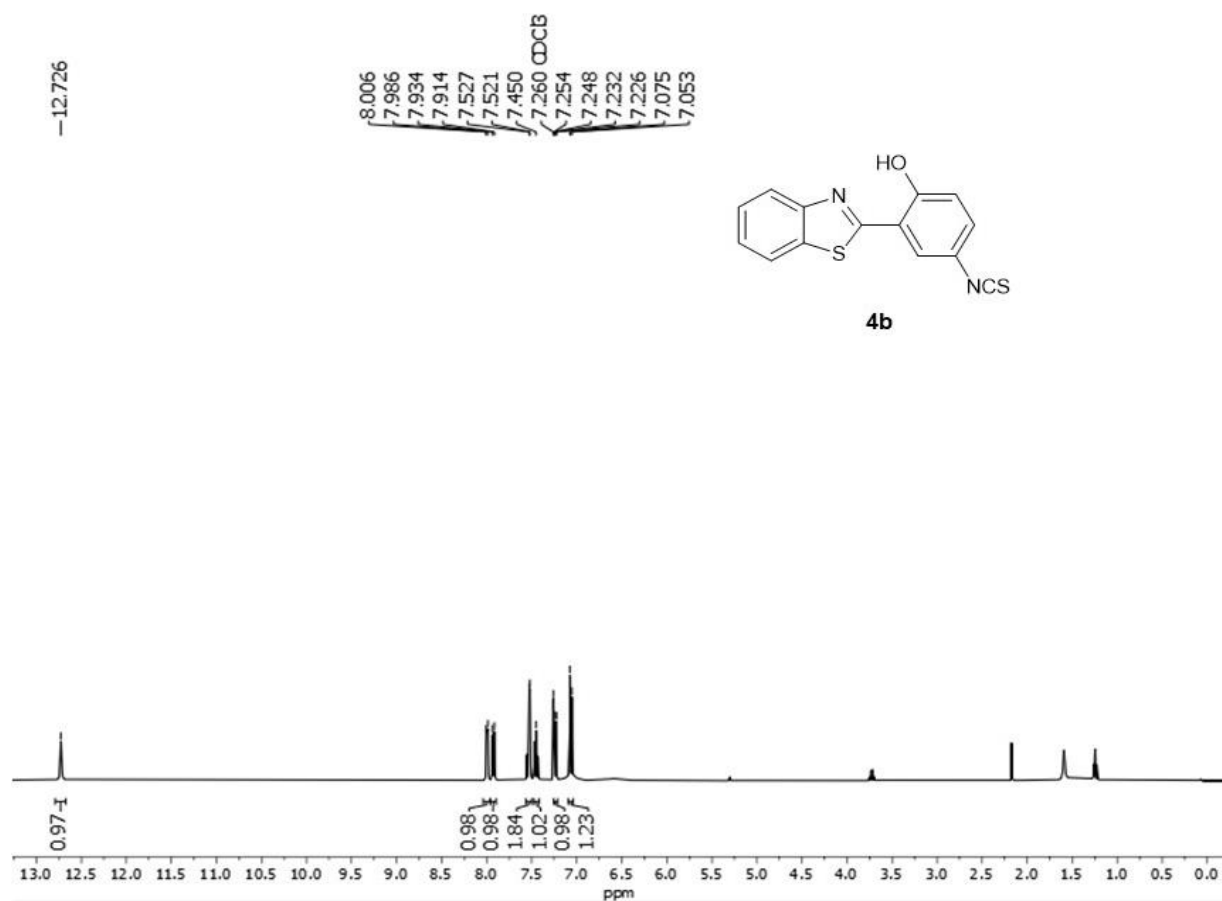


Figure S3. ¹H NMR spectrum (CDCl₃, 400 MHz) of fluorophore **4b**.

FTIR spectra of starches

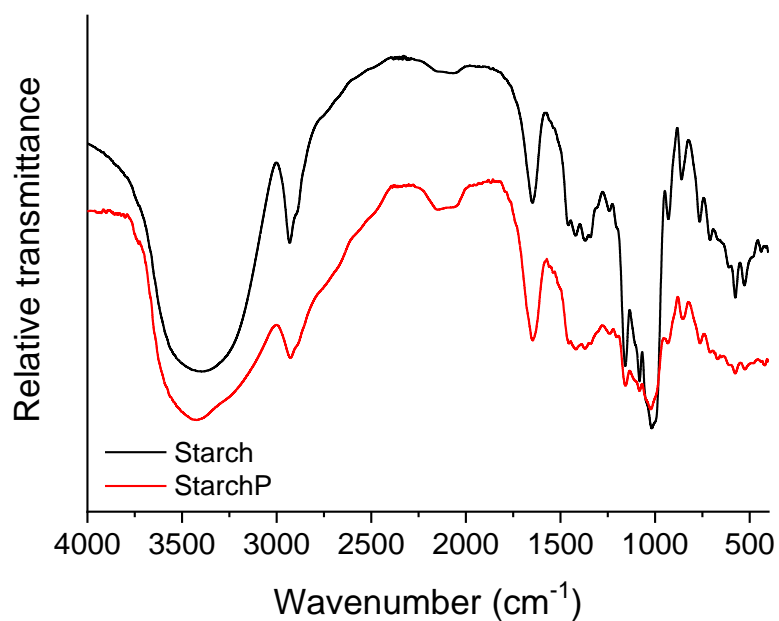


Figure S4. FTIR spectra of starch and processed starch (StarchP).

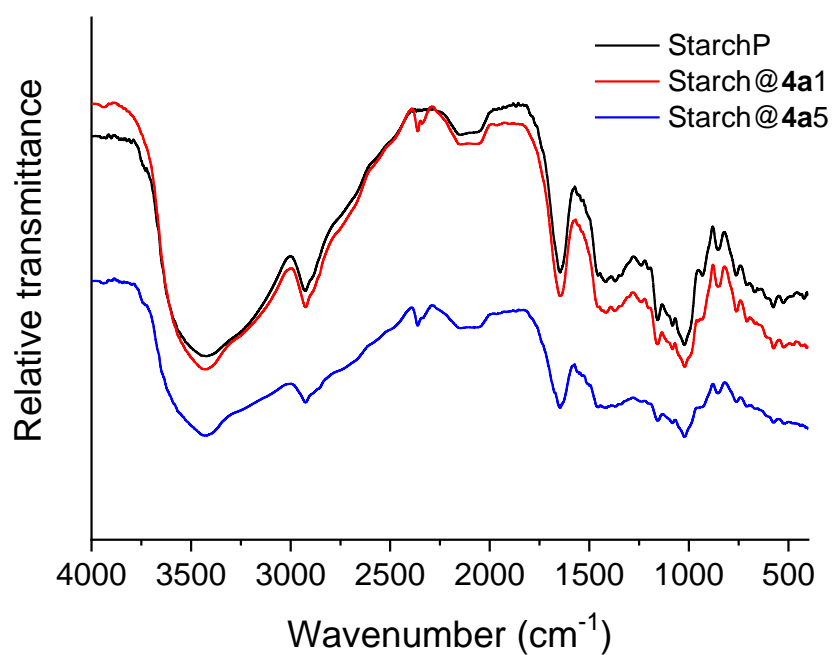


Figure S5. FTIR spectra of modified starches with fluorophore **4a**. StarchP spectrum was presented for comparison.

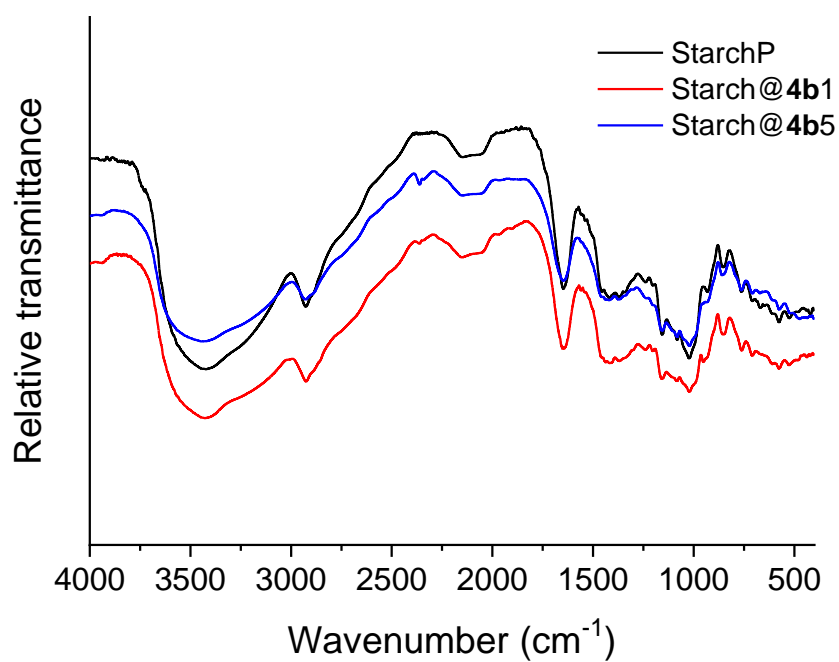


Figure S6. FTIR spectra of modified starches with fluorophore **4b**. StarchP spectrum was presented for comparison.