

Site-Specific Antibody Functionalization Using Tetrazine–Styrene Cycloaddition

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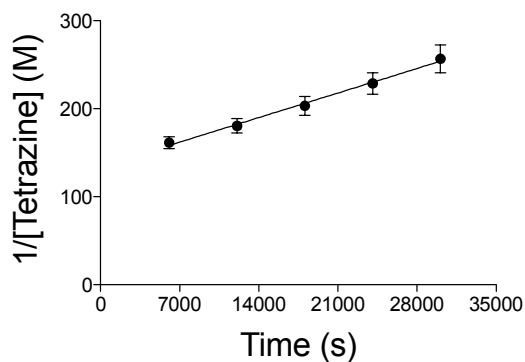
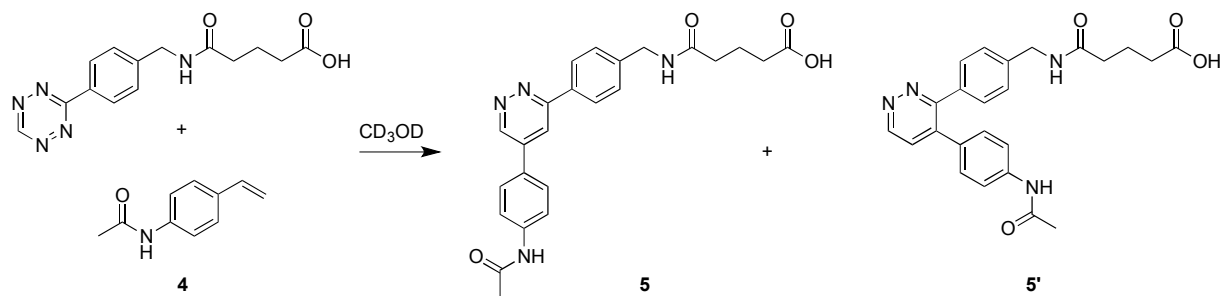
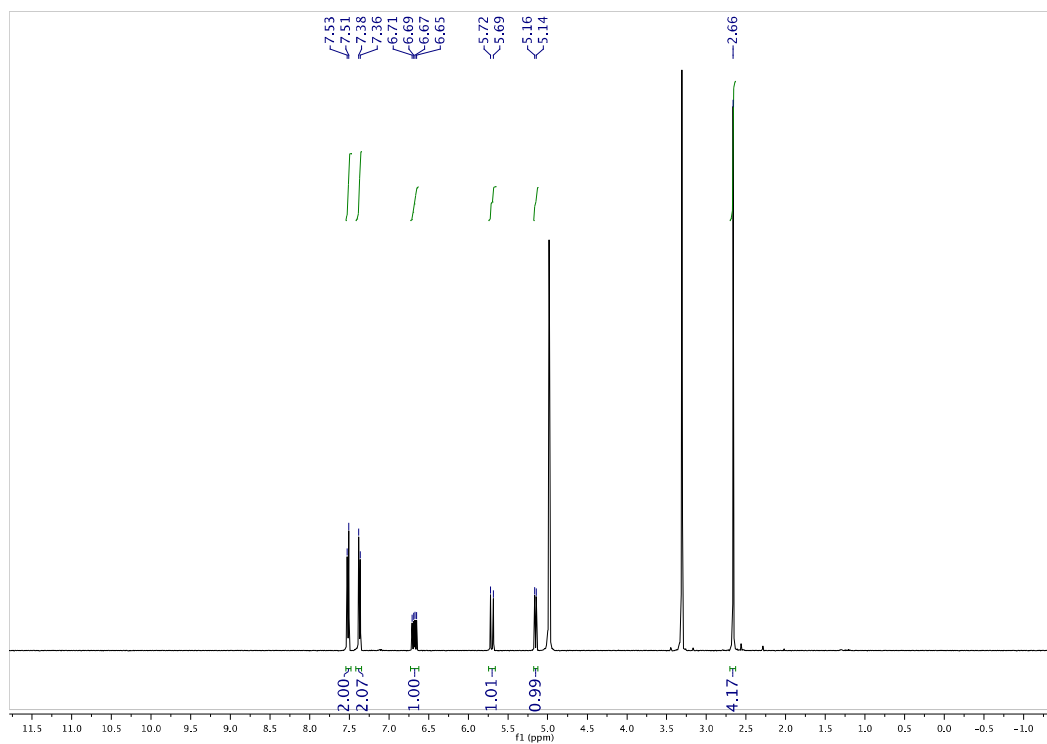


Figure S1. Graph of the disappearance of a tetrazine in the presence of 4-acetamidostyrene in CD₃OD. The second-order rate constant is $k = 4.0 \pm 0.1 \text{ mM}^{-1}\text{s}^{-1}$.

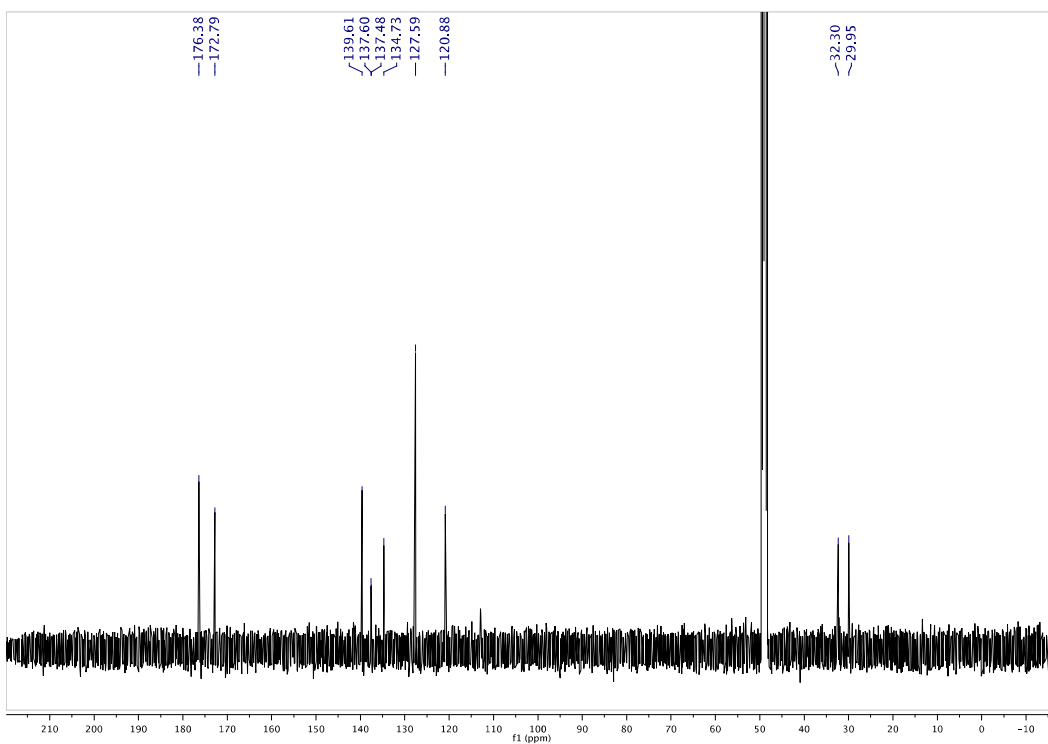
Supporting Information

NMR Spectra

^1H NMR Spectrum of Compound **2** (CD_3OD , 500 MHz):

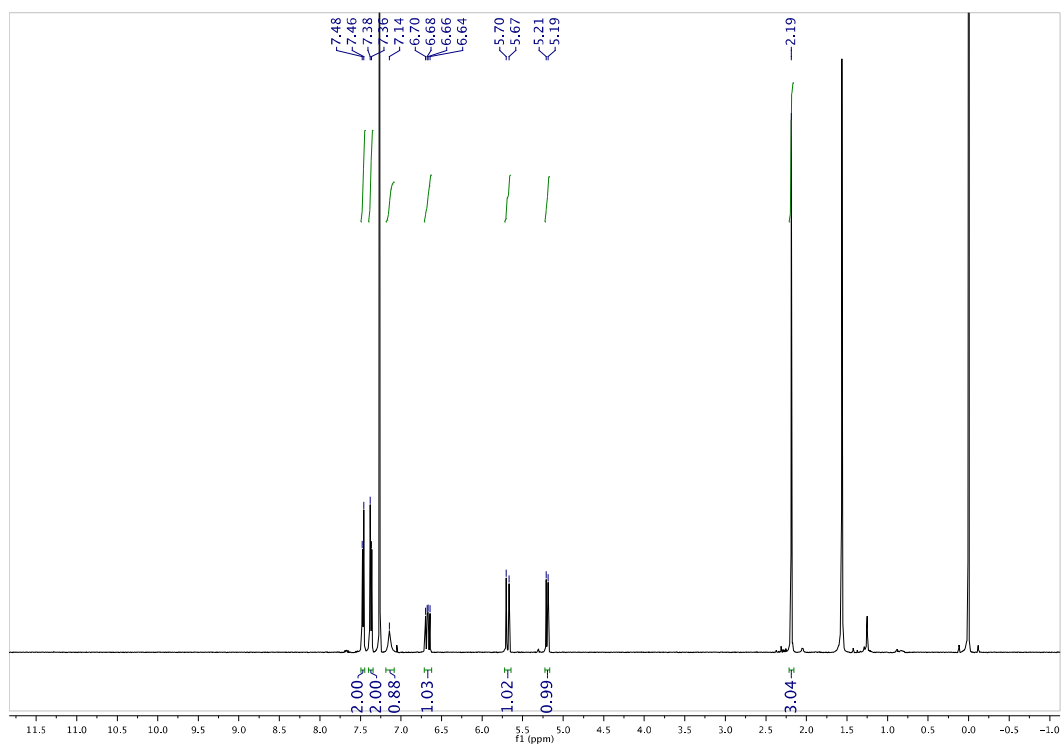


^{13}C NMR Spectrum of Compound **2** (CD_3OD , 125 MHz):

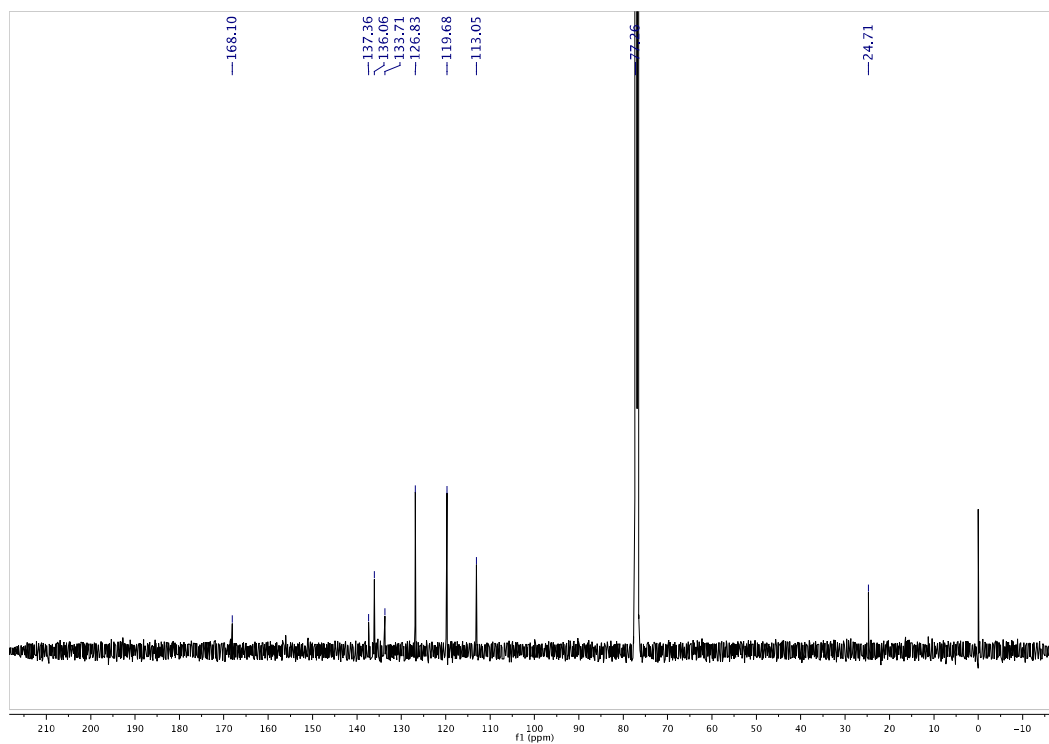


Supporting Information

^1H NMR Spectrum of Compound 4 (CDCl_3 , 500 MHz):



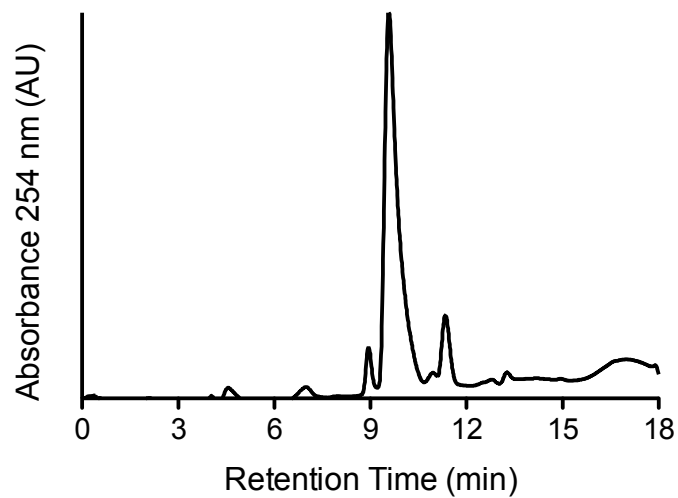
^{13}C NMR Spectrum of Compound 4 (CDCl_3 , 125 MHz):



LC-MS Chromatograms

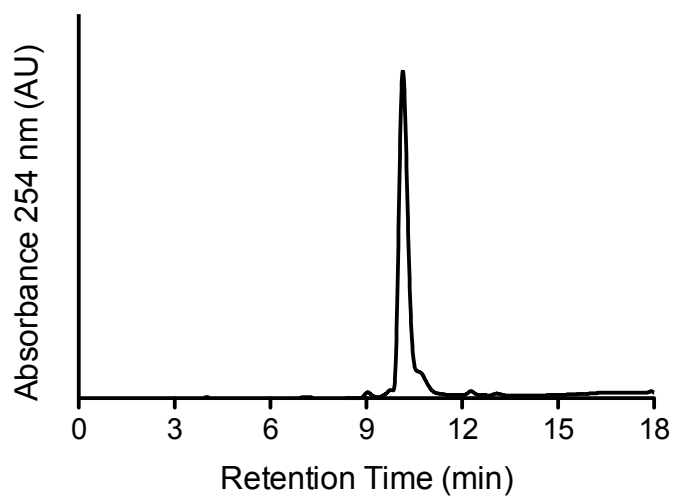
LC-MS Analysis of Compound 1:

$[M + H]^+$ calcd, 512.27 Da; found, 512.40 Da



LC-MS Analysis of Compound 3:

$[M + H]^+$ calcd, 613.31 Da; found, 613.35 Da



Supporting Information

LC-MS Analysis of Compound **5** and its Regioisomer, Compound **5'**:
[M + H]⁺ calcd, 433.18 Da; found, 433.15 Da

