

Supplementary Materials

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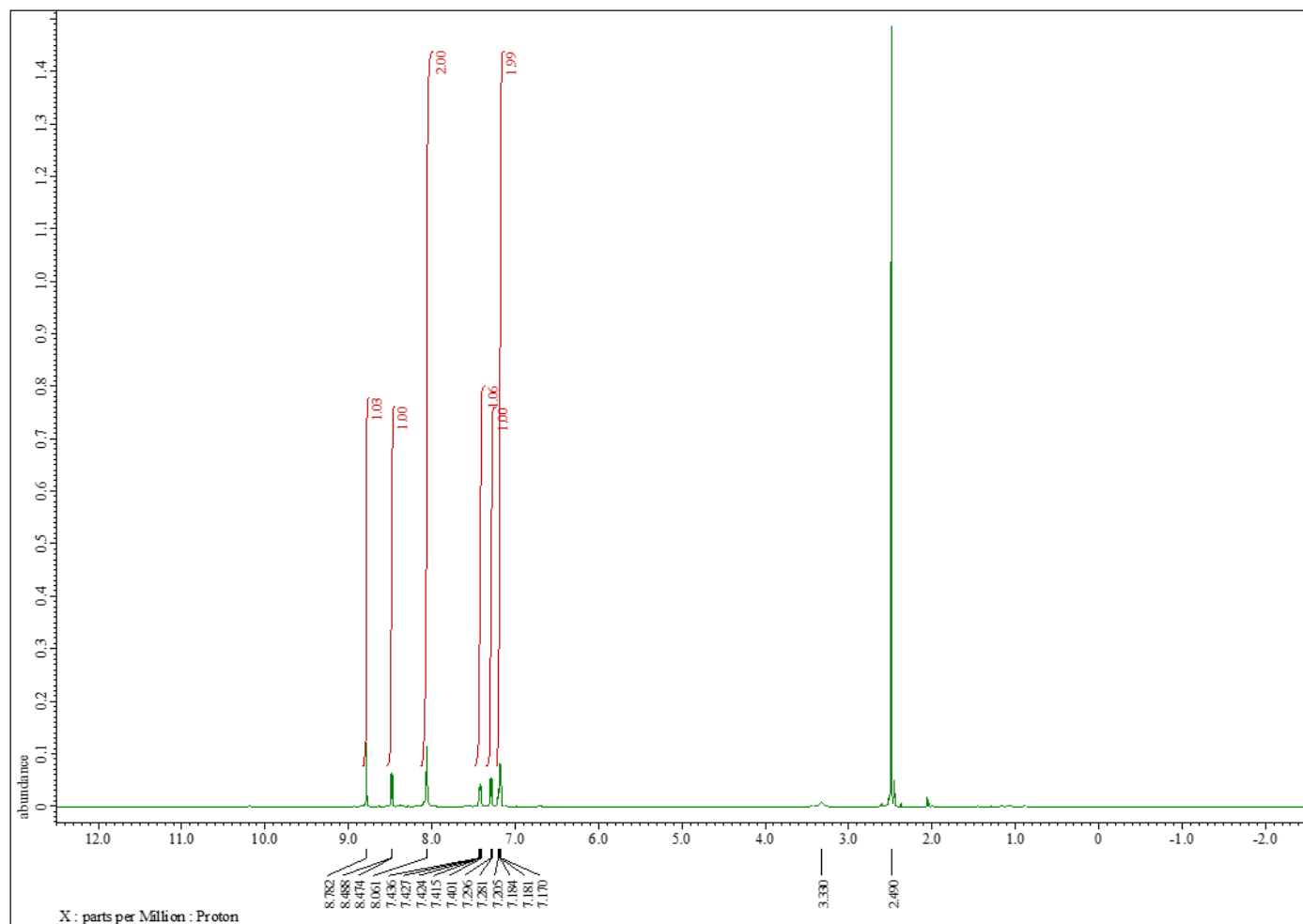


Figure S1. The ^1H NMR spectrum ($\text{DMSO-}d_6$, 600 MHz) of synthesized NBD-H-DAB.

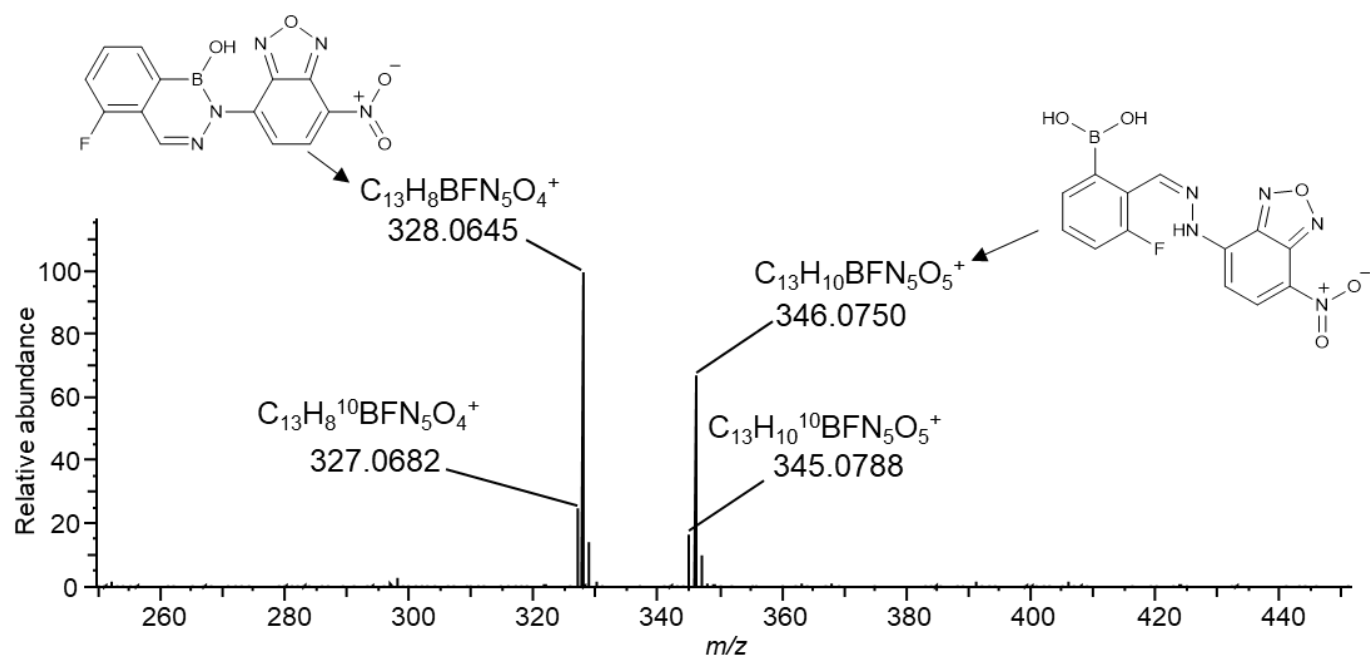


Figure S2. The LC-HRMS of NBD-H-DAB. NBD-H-DAB was partially converted to NBD-H-PBA by hydrolysis in the aqueous mobile phase.

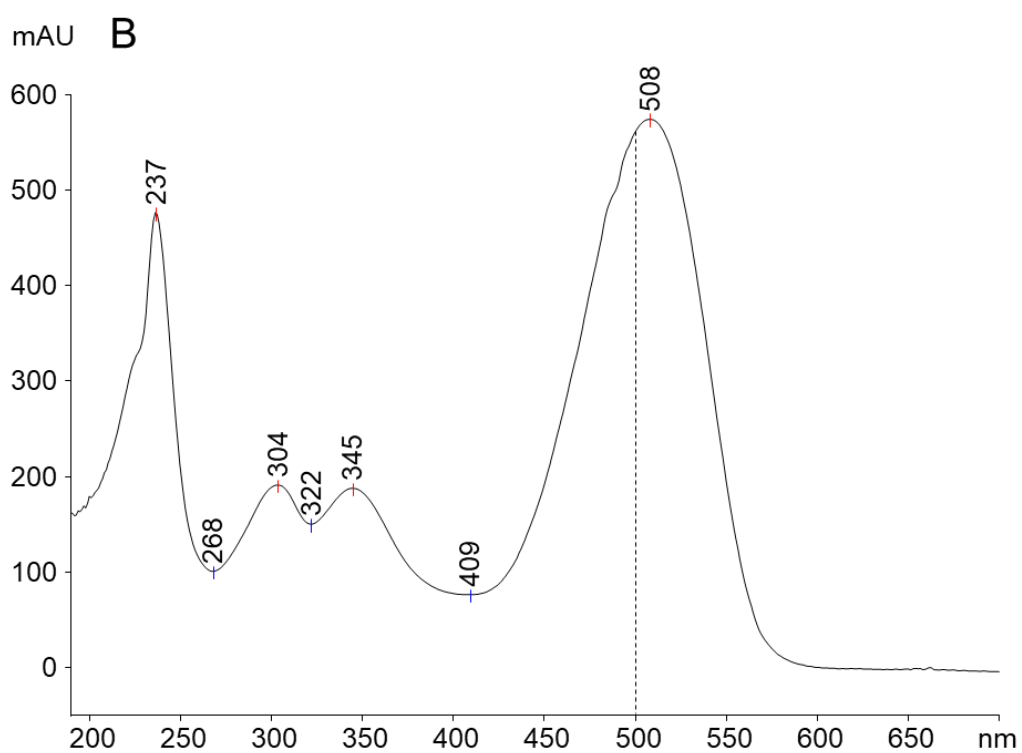
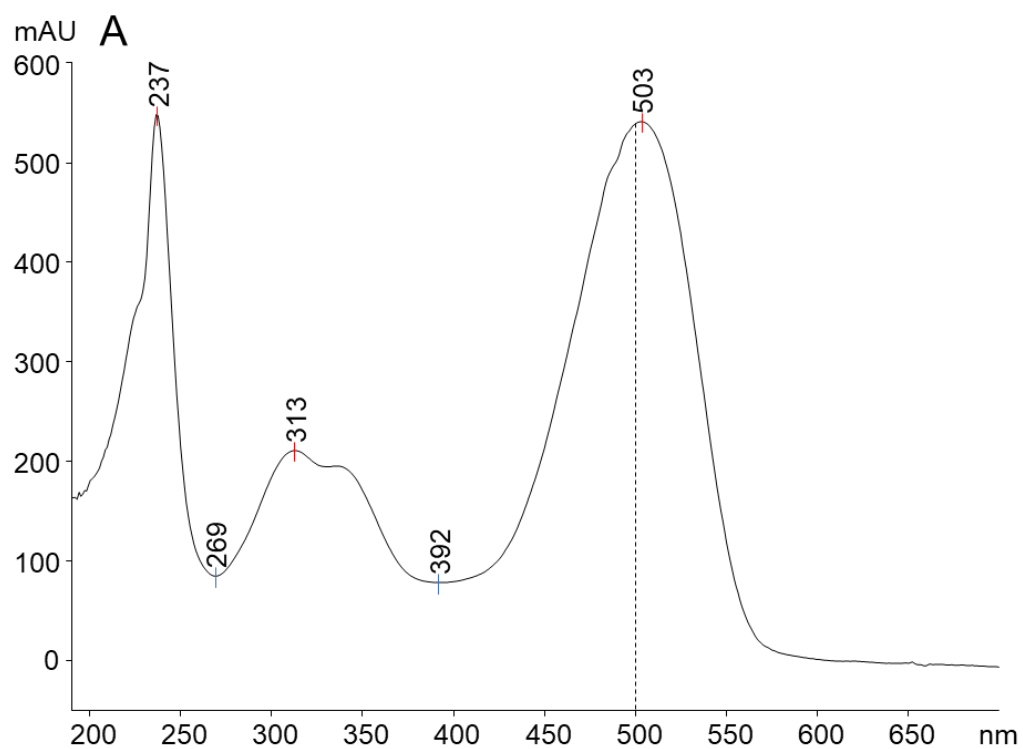


Figure S3. The UV spectra of NBD-H-DAB (A) and derivatized TTX with NBD-H-PBA (B).

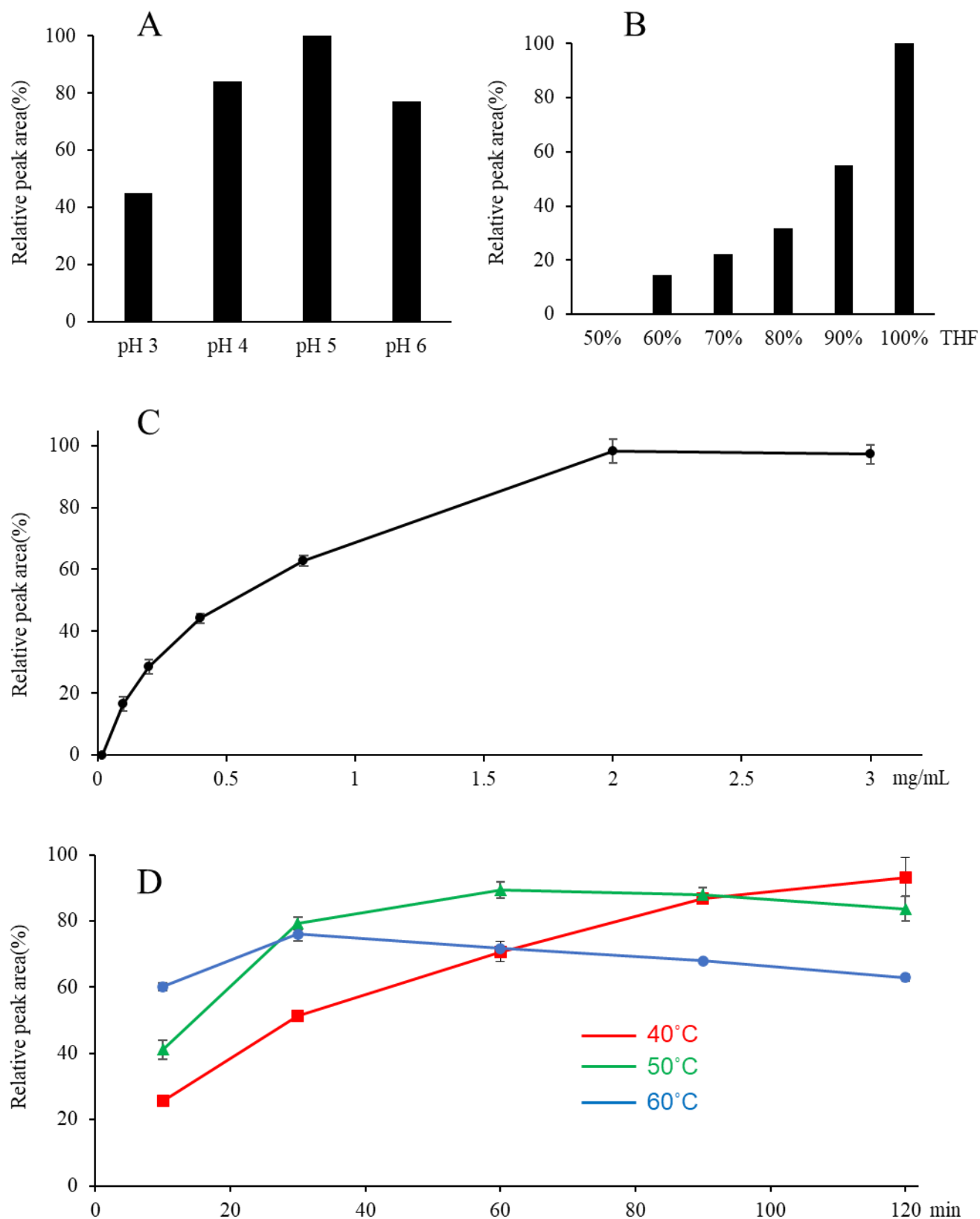


Figure S4. Comparison of relative peak areas of derivatized TTX (ratio to maximum peak) under various conditions (A: pH, B: THF concentration, C: NBD-H-DAB D: reaction temperature and time) to optimize derivatization reaction conditions.