

Supplementary Information

Development of Task-Specific Benzothiadiazole-Based AIEE Luminogens for Latent Fingerprint Recognition

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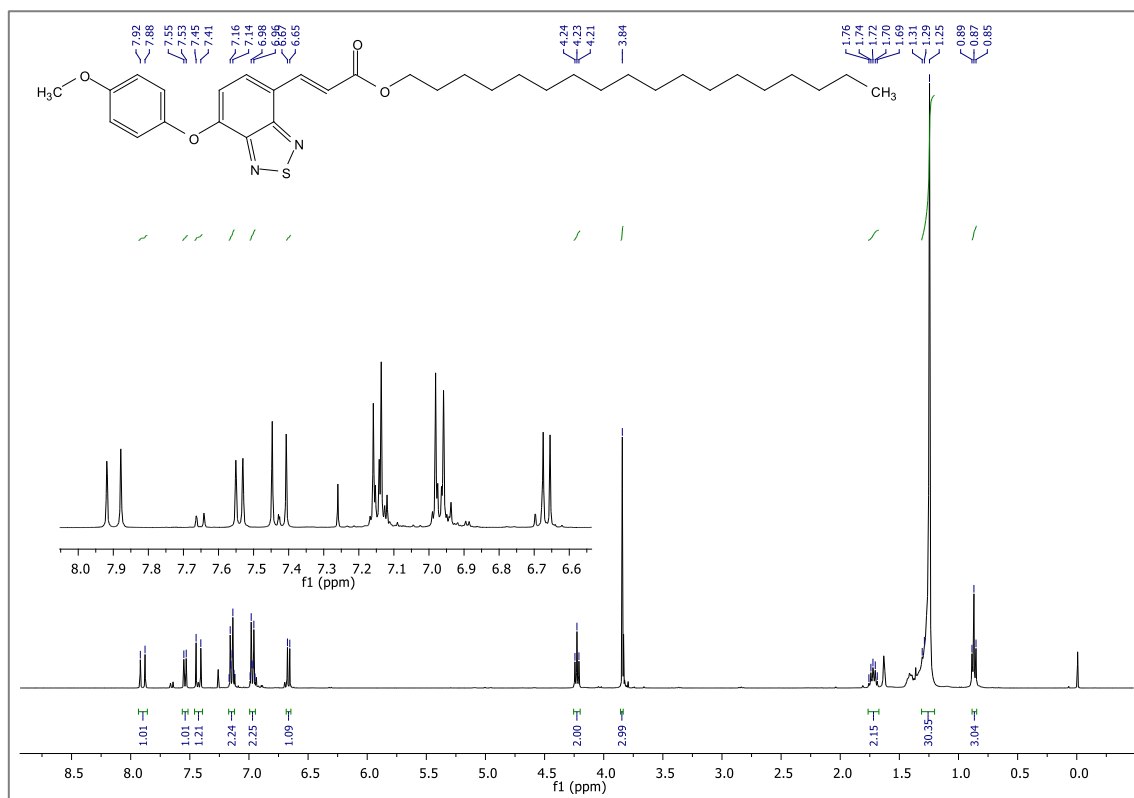


Figure S1. ¹H NMR (400 MHz, CDCl₃) spectrum of the compound OcA-BTD.

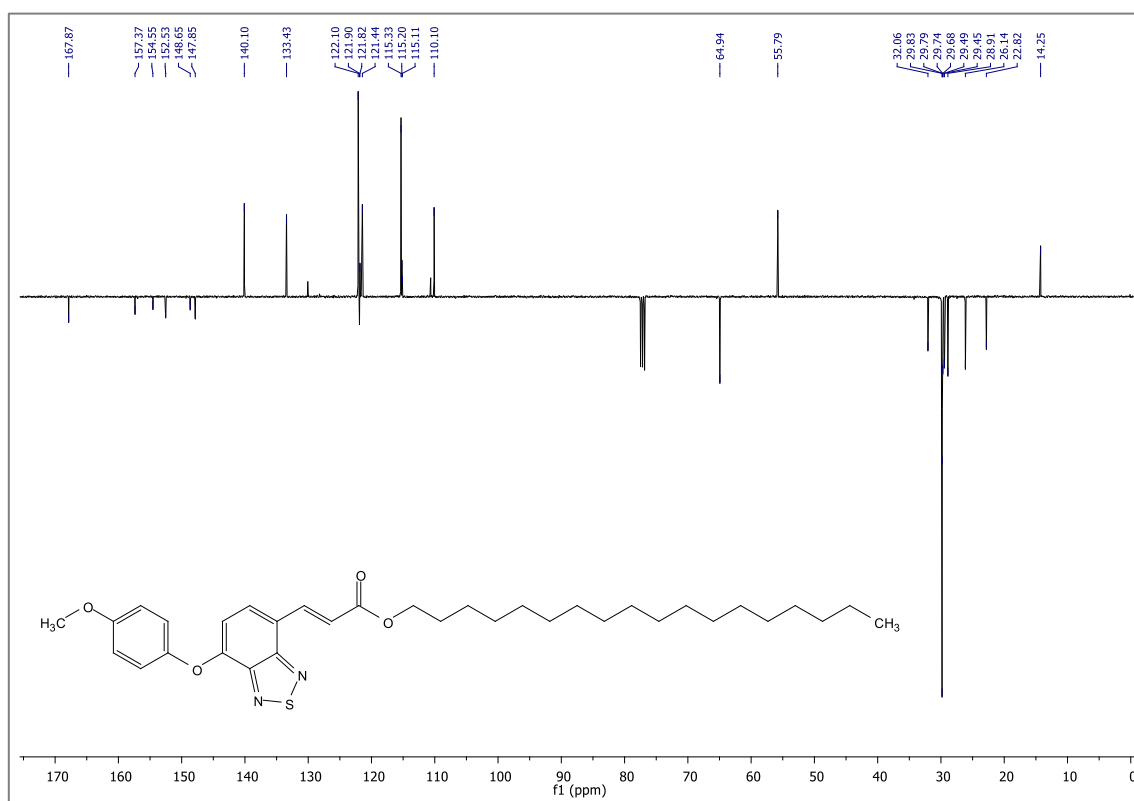


Figure S2. ¹³C NMR (APT) (101 MHz, CDCl₃) spectrum of compound OcA-BTD.

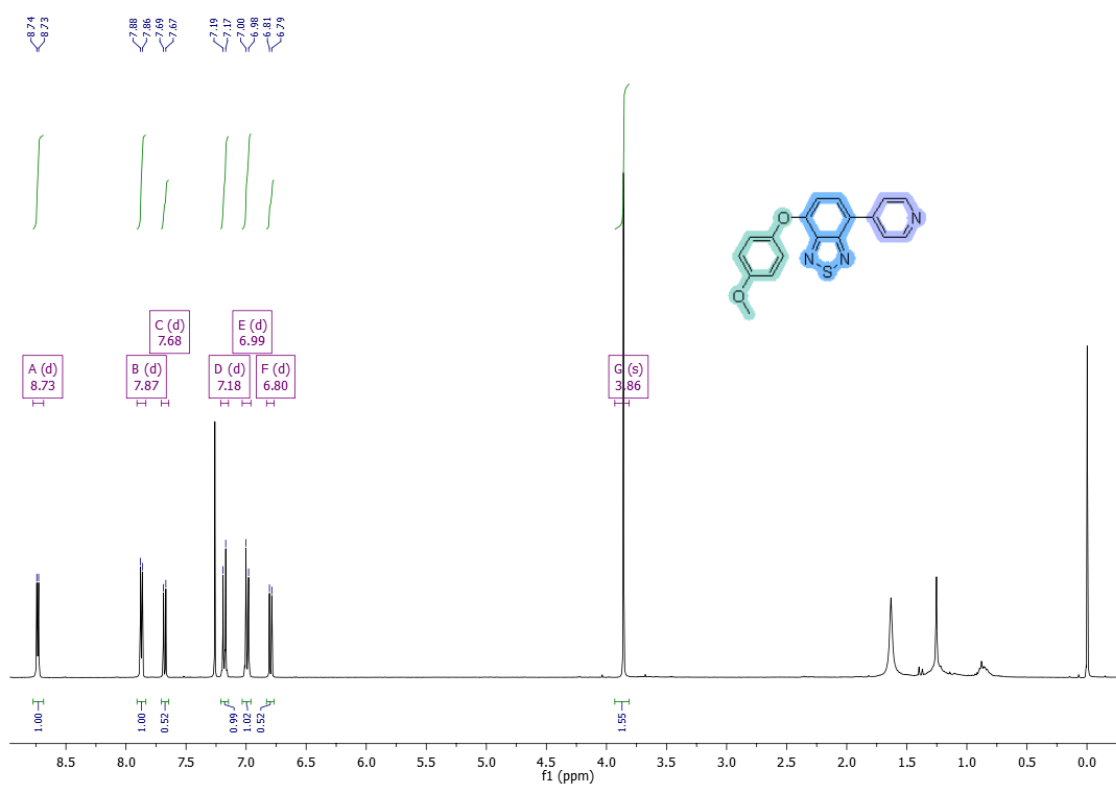


Figure S3. ¹H NMR (400 MHz, CDCl₃) spectrum of the compound Pyr-BTD.

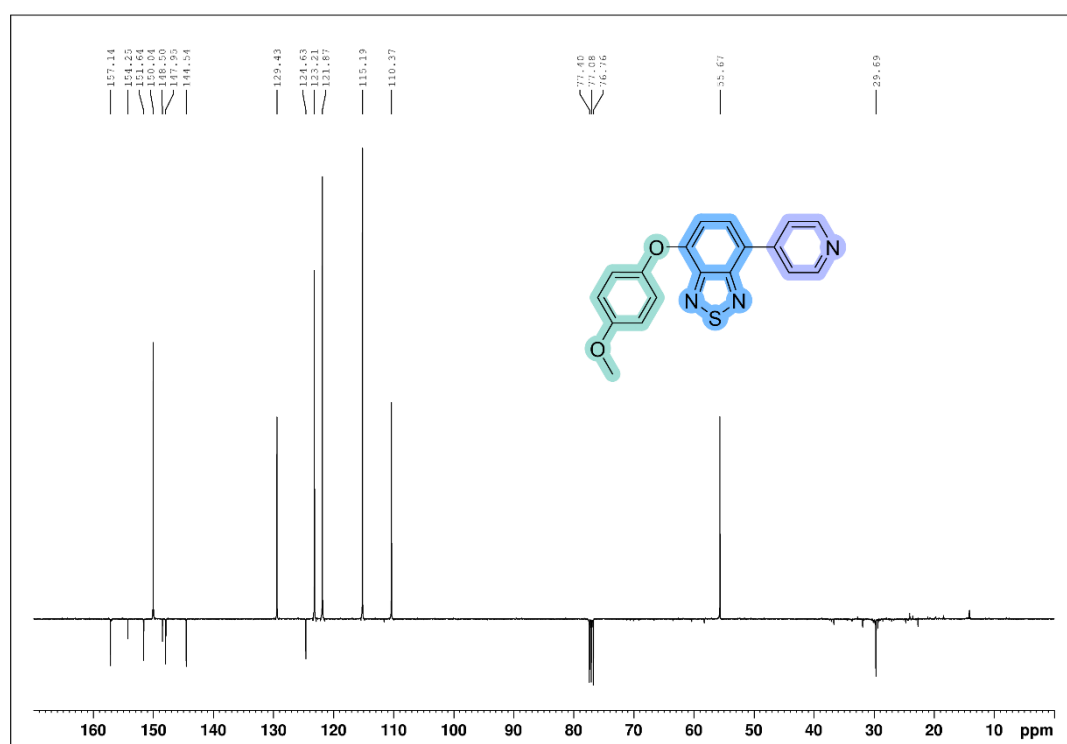


Figure S4. ¹³C NMR (APT) (101 MHz, CDCl₃) spectrum of compound Pyr-BTD.

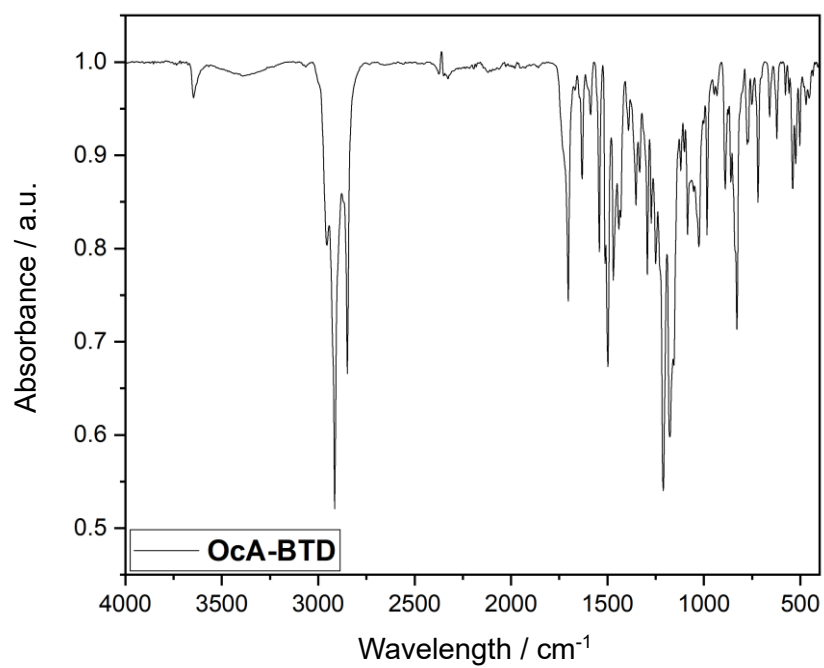


Figure S5. FTIR-ATR of compound OcA-BTD.

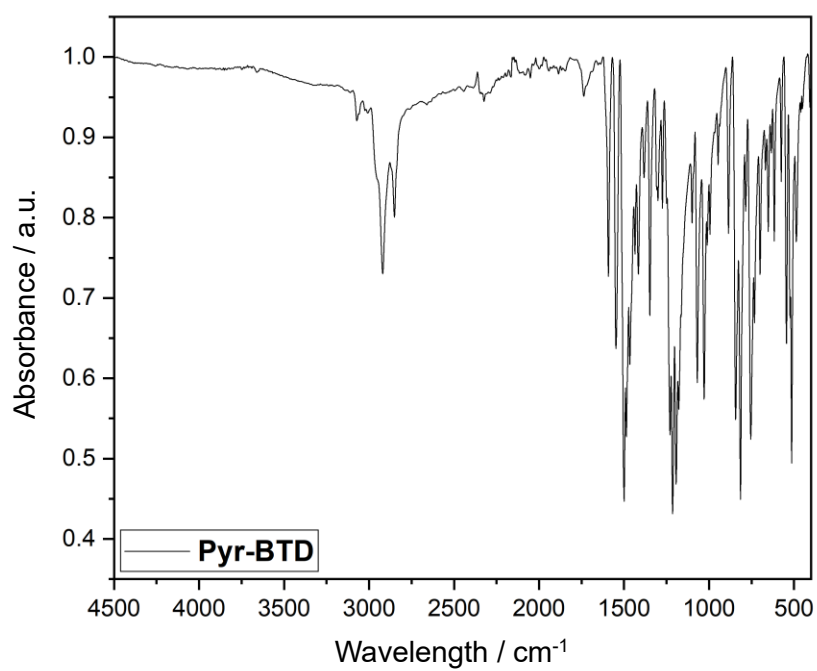


Figure S6. FTIR-ATR of compound Pyr-BTD.

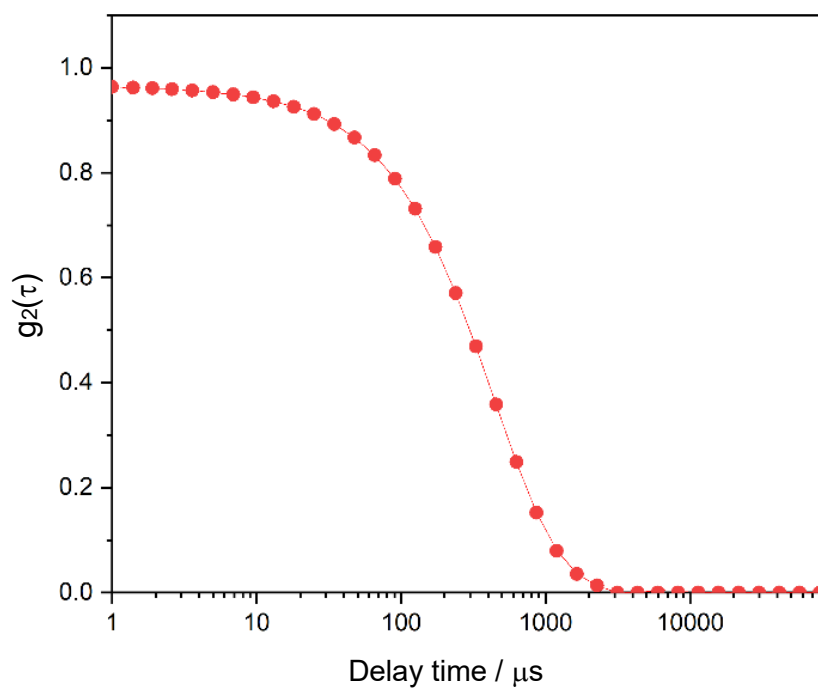


Figure S7. Correlation function graphic of OcA-BTD ($f_w = 80\%$).

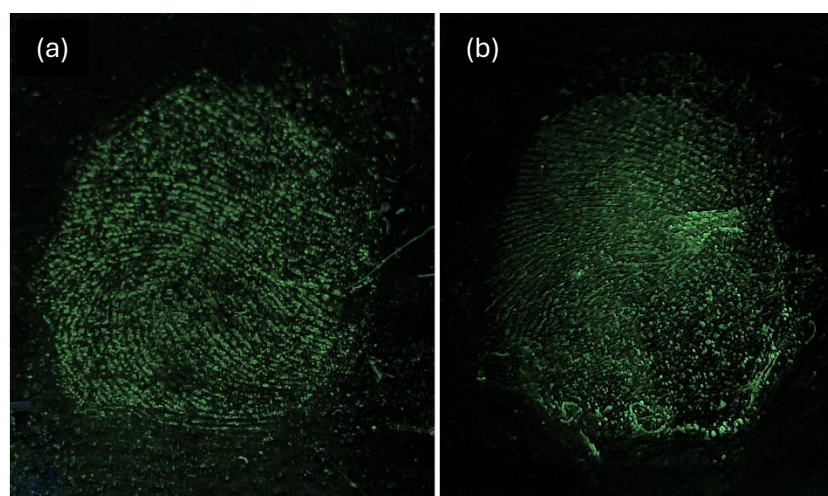


Figure S8. LFPs developed with OAc-BTD after exposure to different conditions. (a) LFP collection was performed without sebaceous fraction enrichment (i.e., without rubbing the finger on the forehead prior to deposition), (b) development was carried out after aging the LFP for 18 h.