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Supporting Information

Enhanced Long-Term Stability of a Photosensitizer with a Hydroxamic Acid Anchor in Dye-Sensitized Photocatalytic Hydrogen Generation

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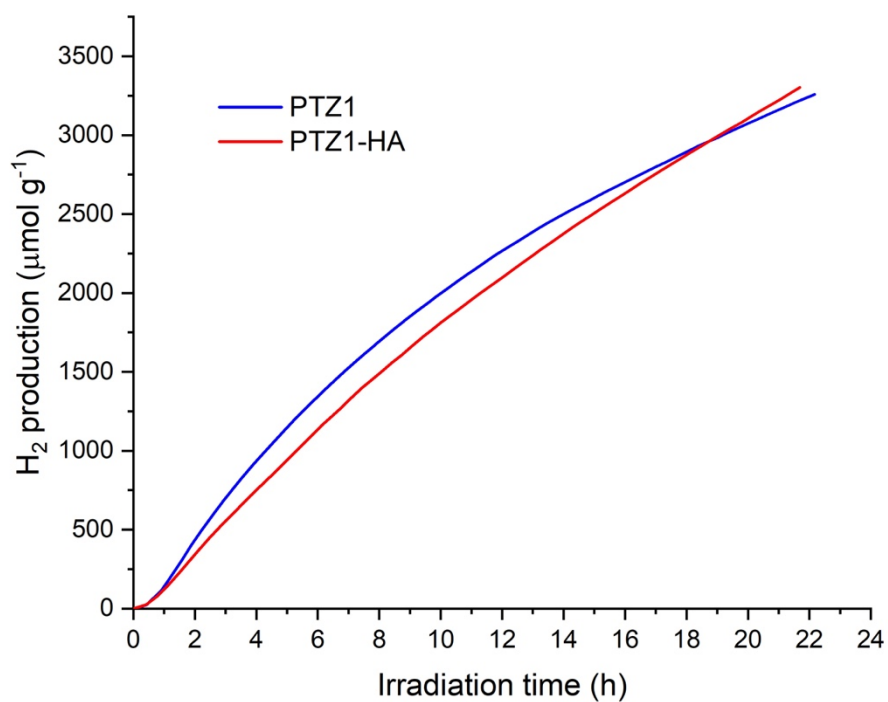


Fig. S1. H₂ production measured using the **DYE@TiO₂/Pt** catalyst in H₂ production from TEOA 10 v/v% solution at pH = 7.0 under irradiation with visible light ($\lambda > 420$ nm).

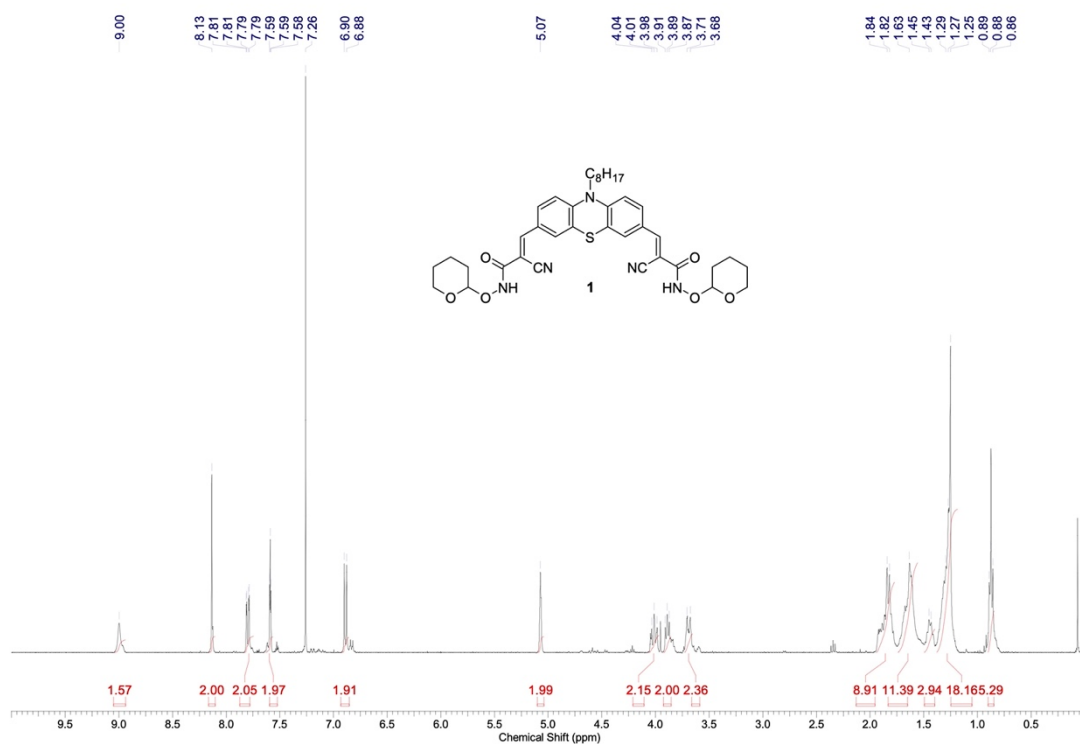


Fig. S2. ¹H NMR Spectrum of **1** in CDCl₃.

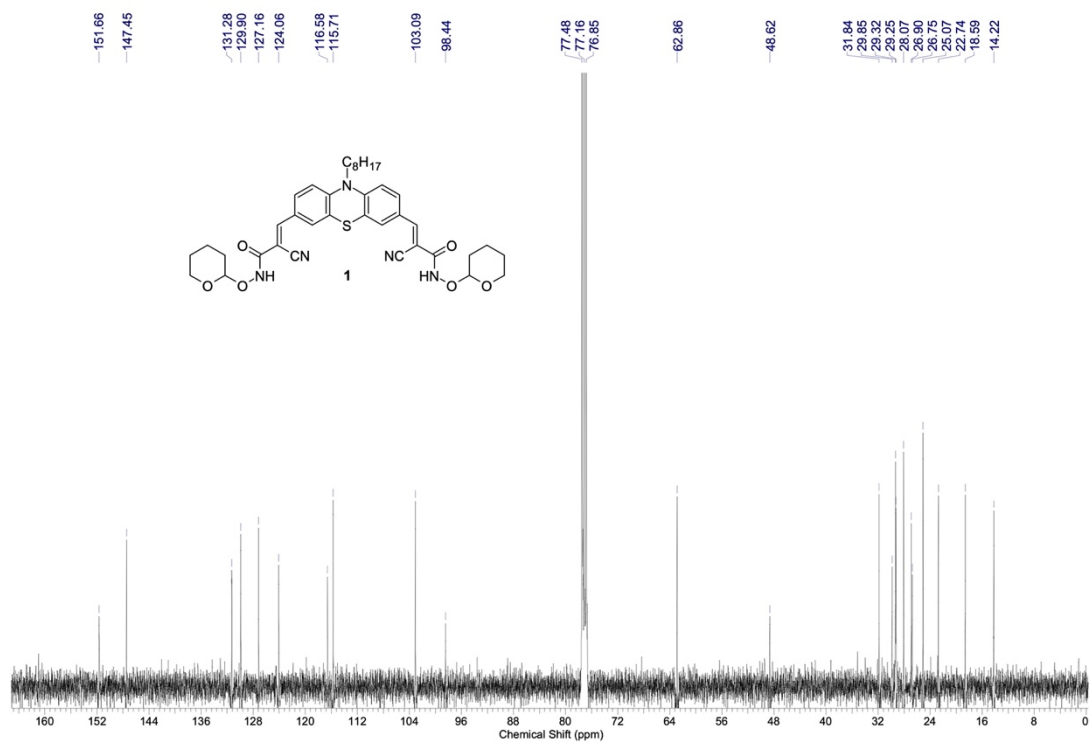


Fig. S3. ^{13}C NMR Spectrum of **1** in CDCl_3

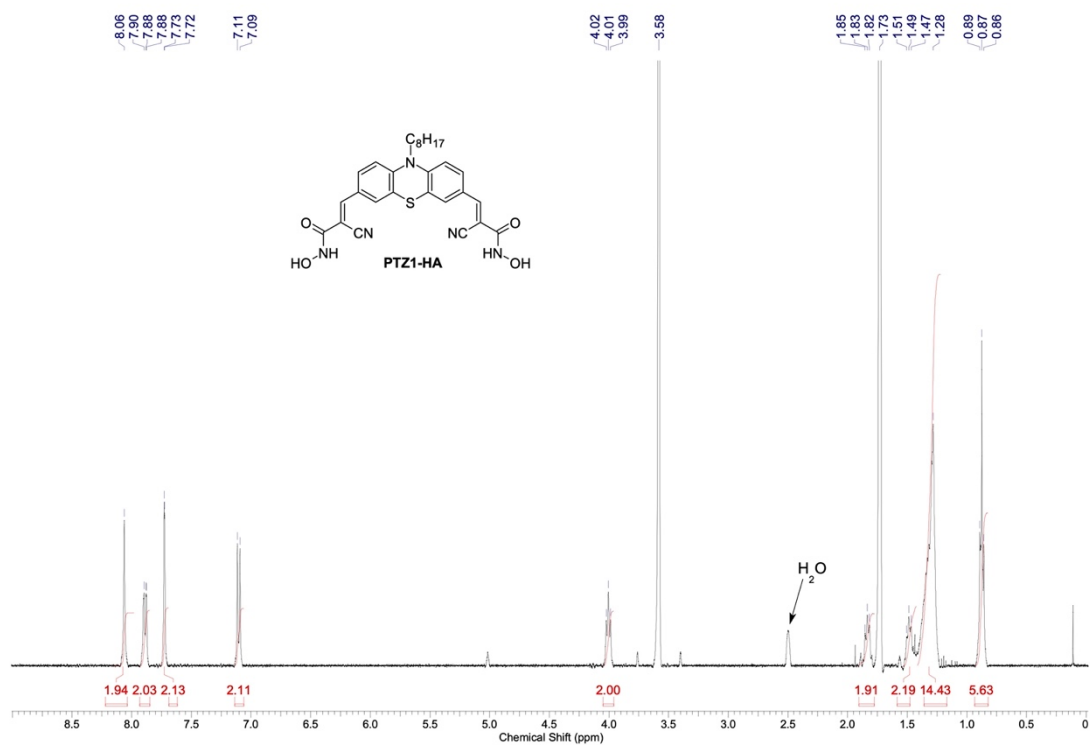


Fig. S4. ^1H NMR Spectrum of **PTZ1-HA** in $\text{THF-}d_8$.

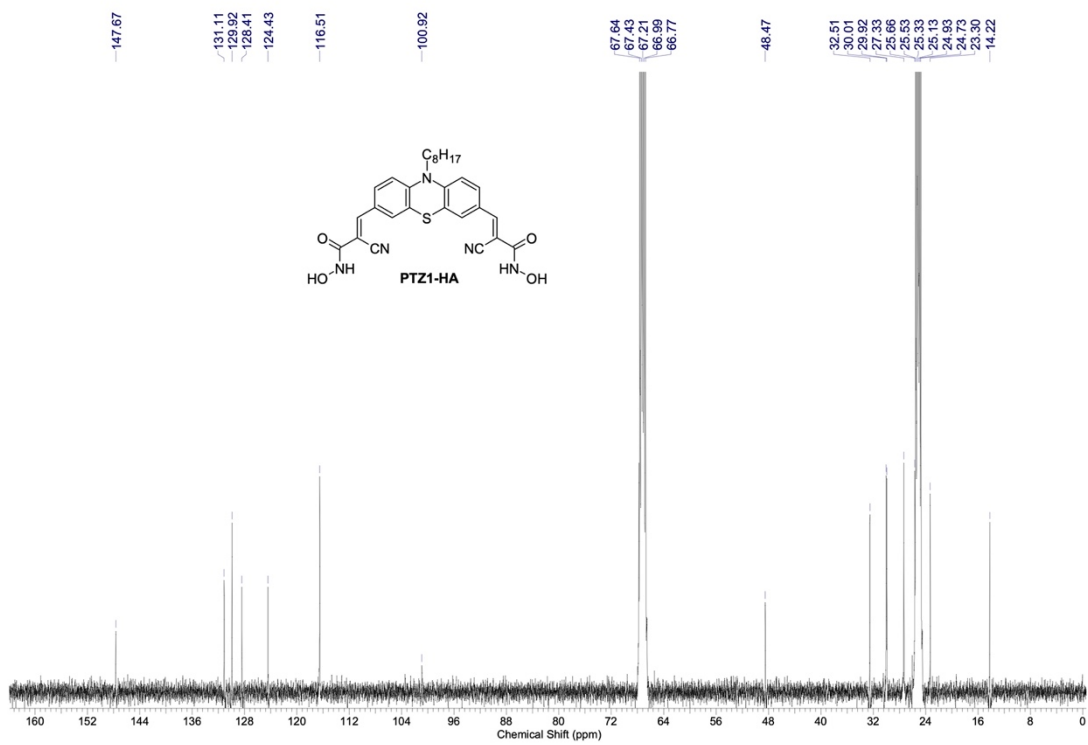


Fig. S5. ^{13}C NMR Spectrum of **PTZ1-HA** in THF- d_8 .

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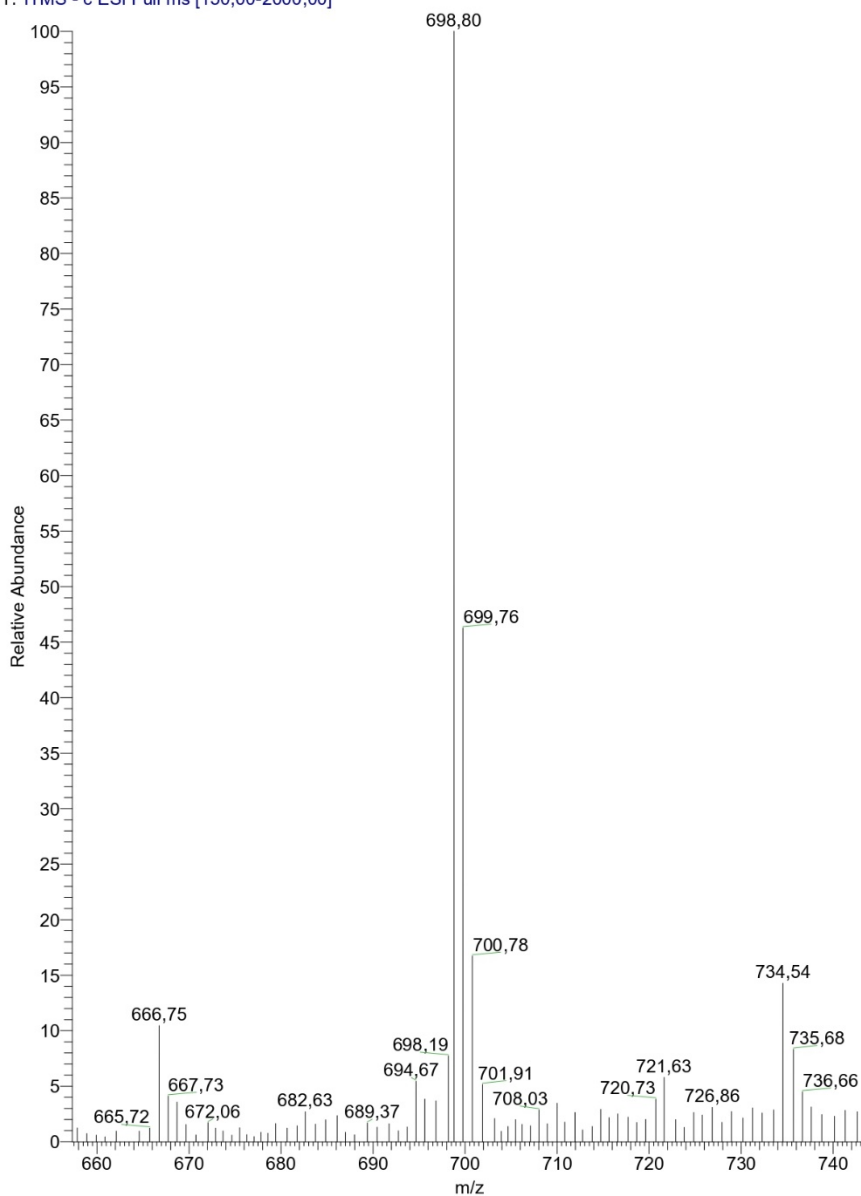


Fig. S6. ESI-MS Spectrum of **1**.

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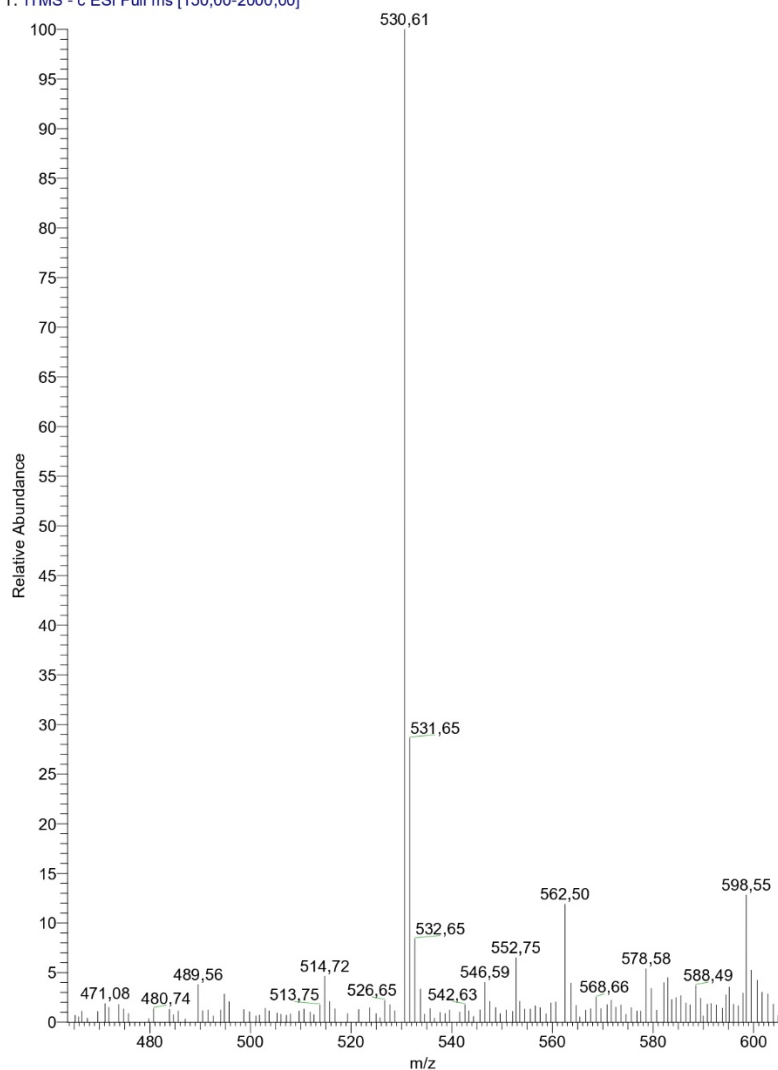


Fig. S7. ESI-MS Spectrum of **PTZ1-HA**.