

Supporting Information for Synthesis and Photosensitivity of Isoxazolin-5-one Glycosides

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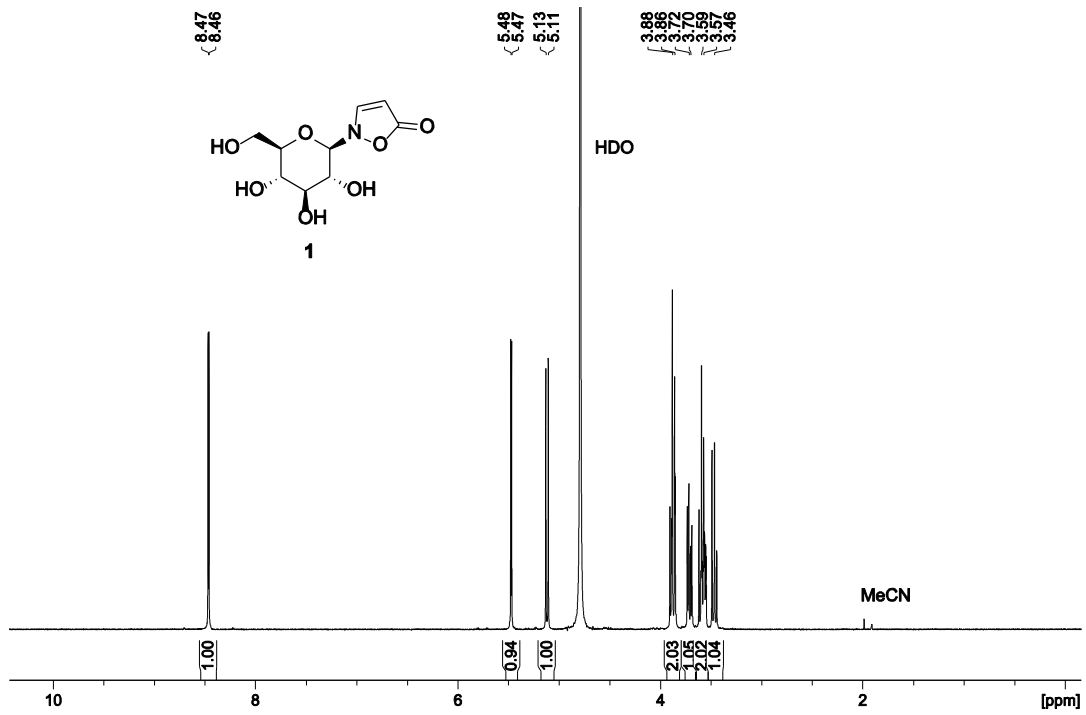
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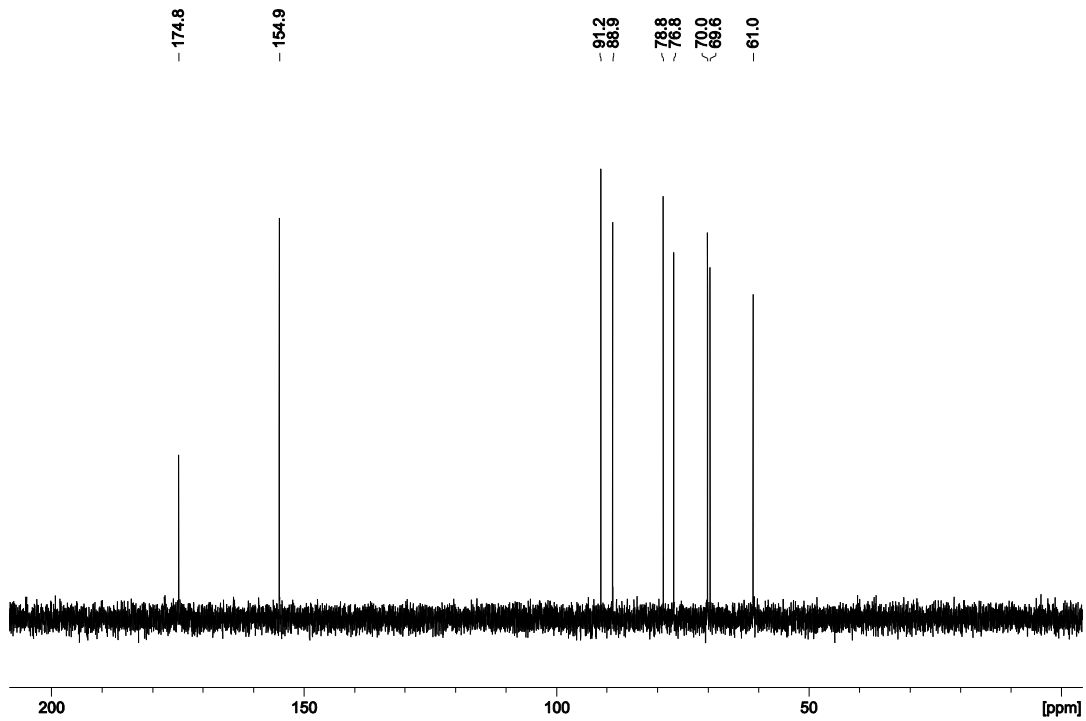
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¹ H NMR and ¹³ C NMR spectrum of comp. 1 in D ₂ O (400 MHz, 100 MHz)S2
¹ H NMR and ¹³ C NMR spectrum of comp. 2 in D ₂ O (400 MHz, 100 MHz)S3
¹ H NMR and ¹³ C NMR spectrum of comp. 3 in D ₂ O (400 MHz, 100 MHz)	.....S4
¹ H NMR and ¹³ C NMR spectrum of comp. 4 in D ₂ O (400 MHz, 100 MHz)	.....S5
¹ H NMR and ¹³ C NMR spectrum of comp. 5 in D ₂ O (400 MHz, 100 MHz)	.....S6
Decay curve of uridine in buffer	.....S7
pH stability plots of compound 1	.....S8
Decay curve of comp. 1 in buffer	.....S8
Decay curve of comp. 2 in buffer	.....S9
Decay curve of comp. 3 in buffer	.....S10
Decay curve of comp. 4 in buffer	.....S11
Decay curve of comp. 5 in buffer	.....S12

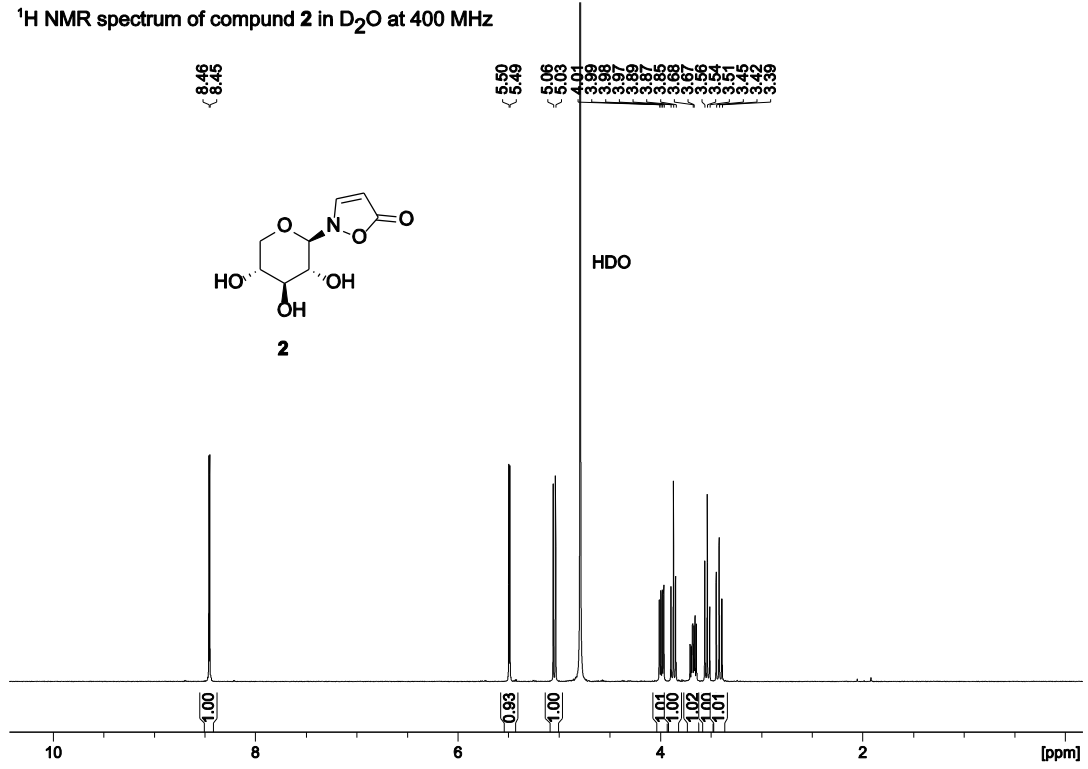
¹H NMR spectrum of compound 1 in D₂O at 400 MHz



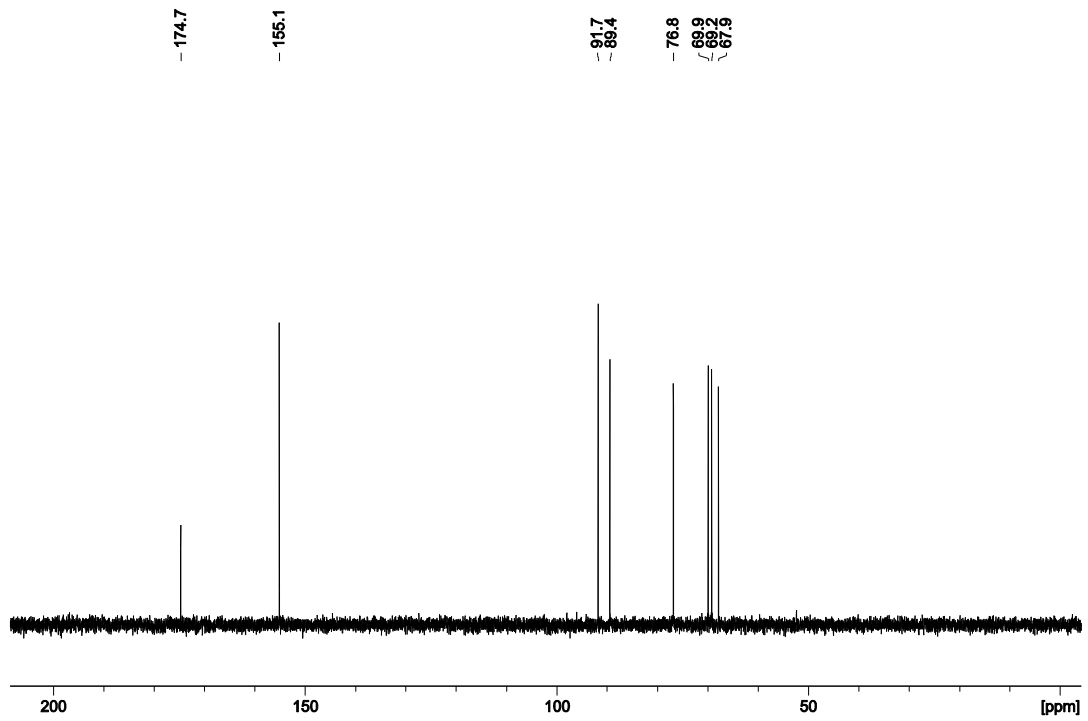
¹³C NMR spectrum of compound 1 in D₂O at 100 MHz



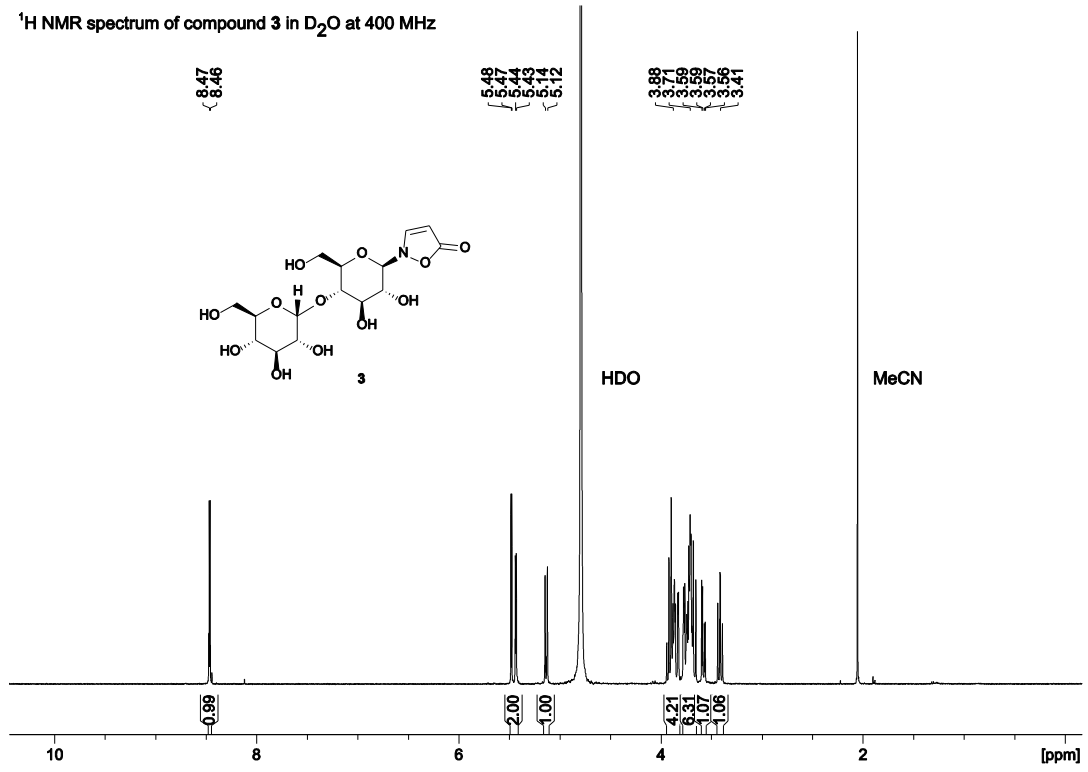
¹H NMR spectrum of compound **2** in D₂O at 400 MHz



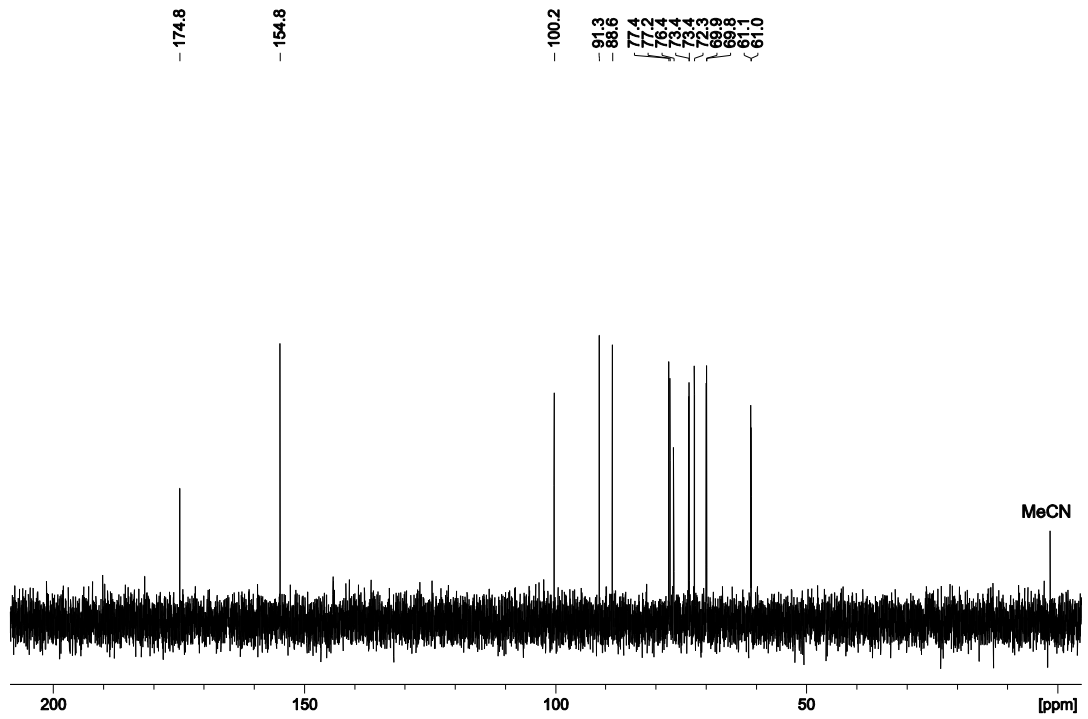
¹³C NMR spectrum of compound **2** in D₂O at 100 MHz



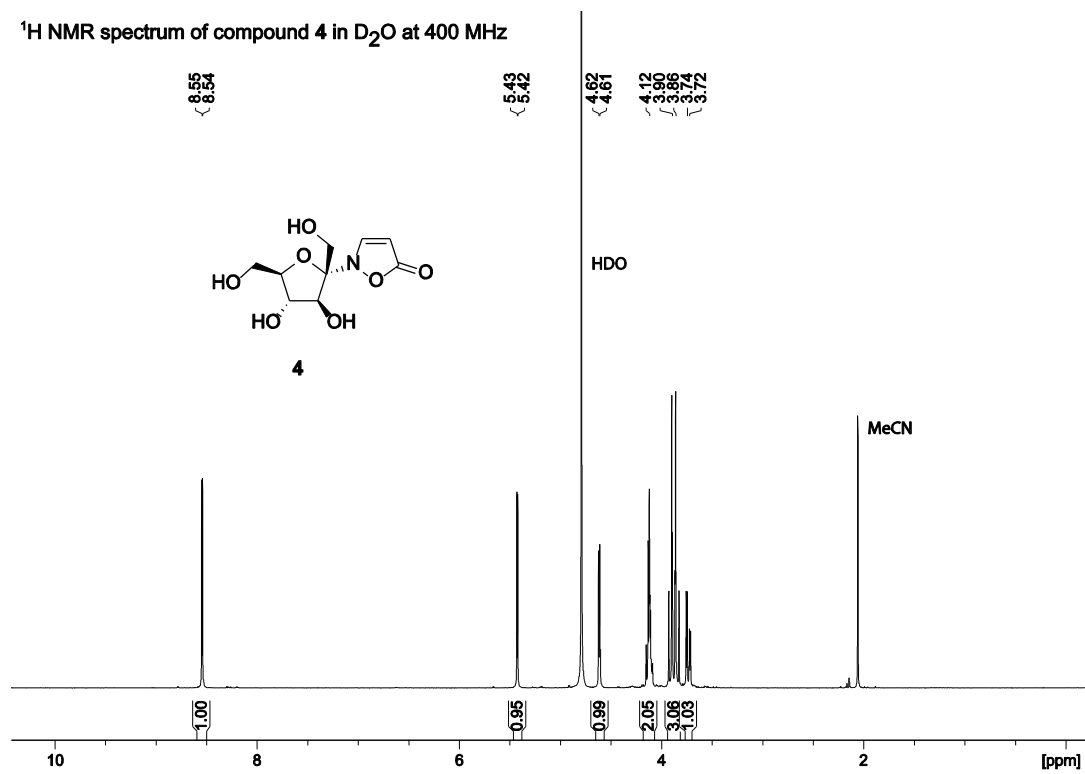
¹H NMR spectrum of compound 3 in D₂O at 400 MHz



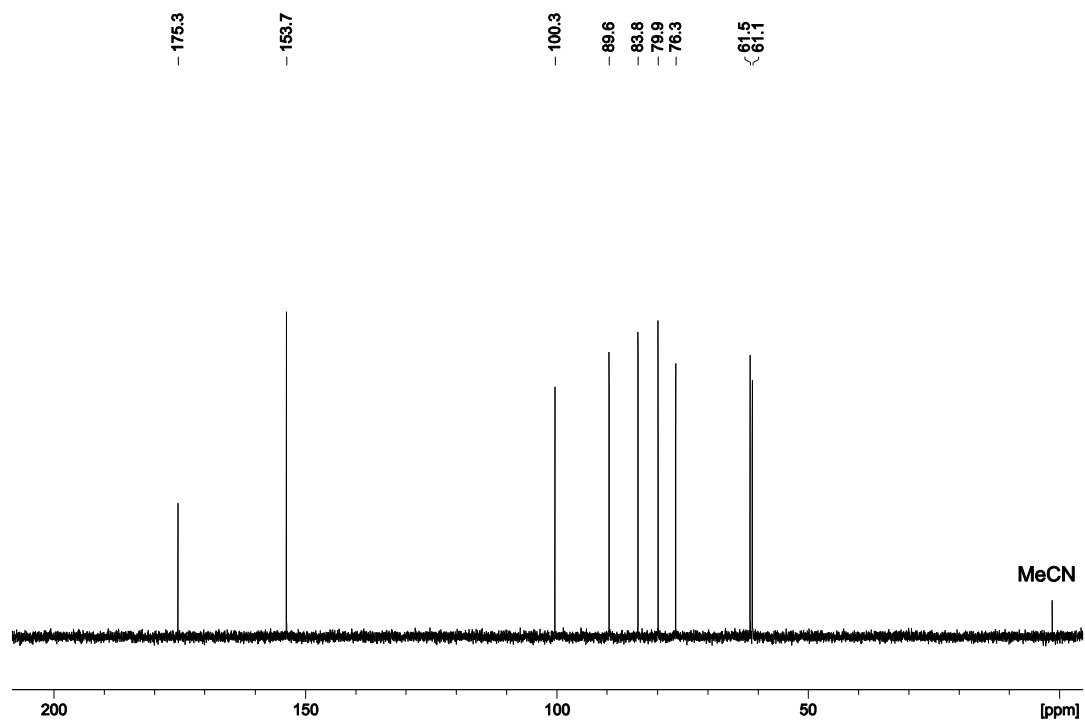
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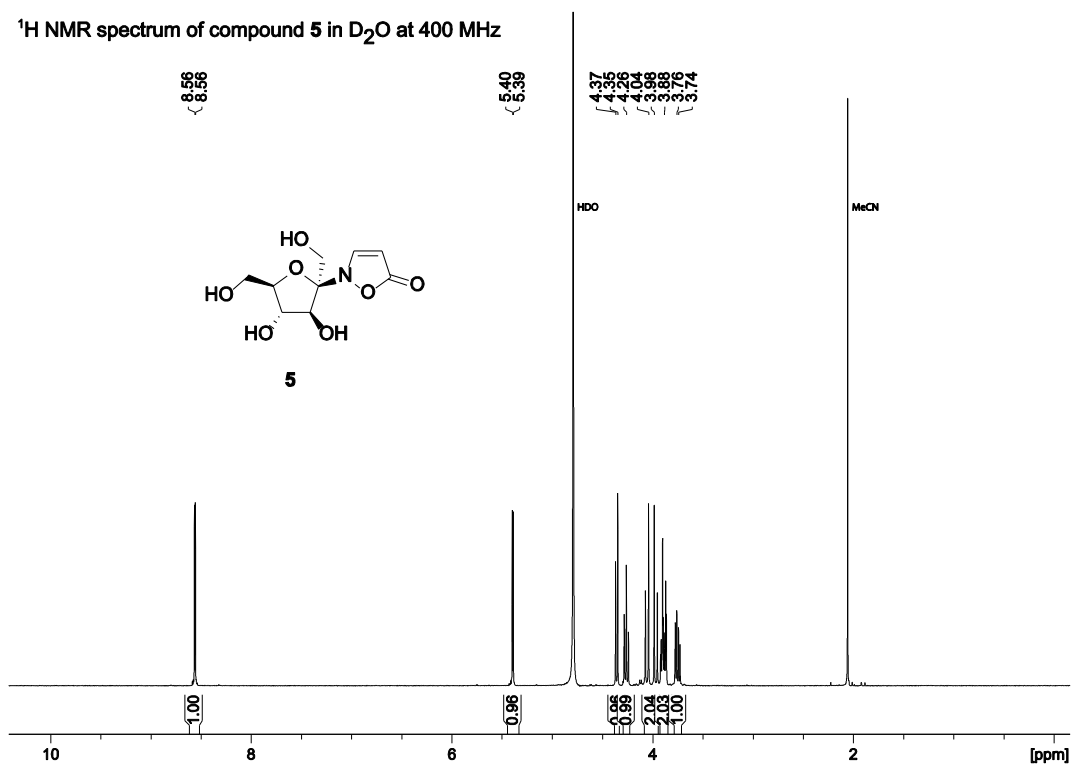
¹H NMR spectrum of compound 4 in D₂O at 400 MHz



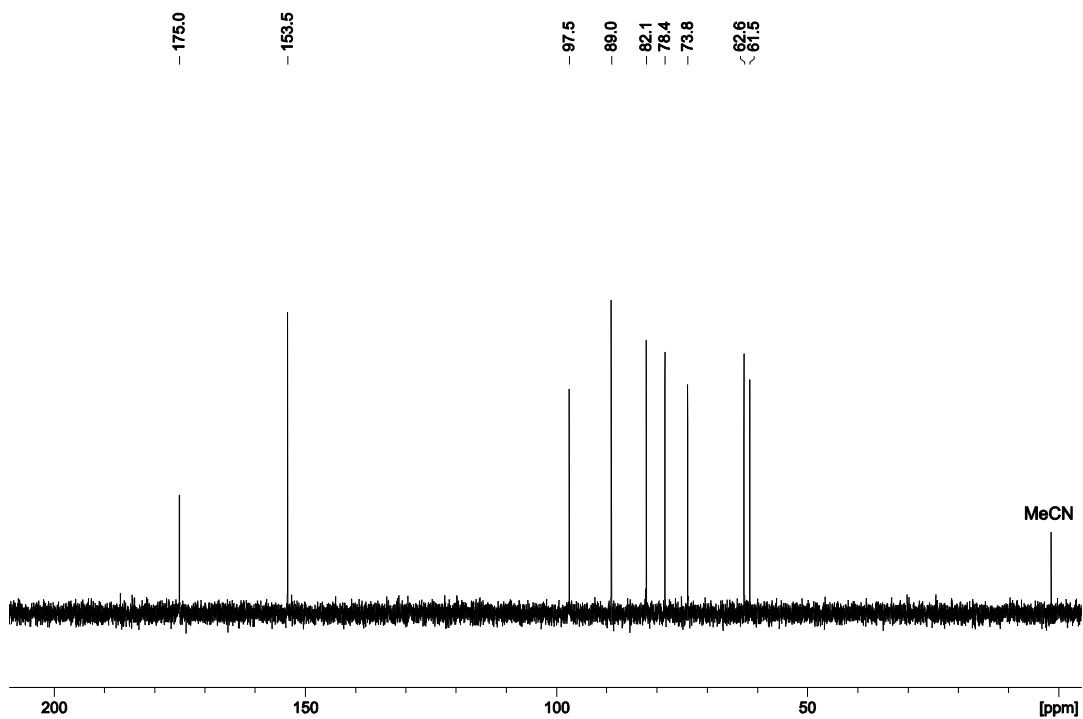
¹³C NMR spectrum of compound 4 in D₂O at 100 MHz



¹H NMR spectrum of compound **5** in D₂O at 400 MHz



¹³C NMR spectrum of compound **5** in D₂O at 100 MHz



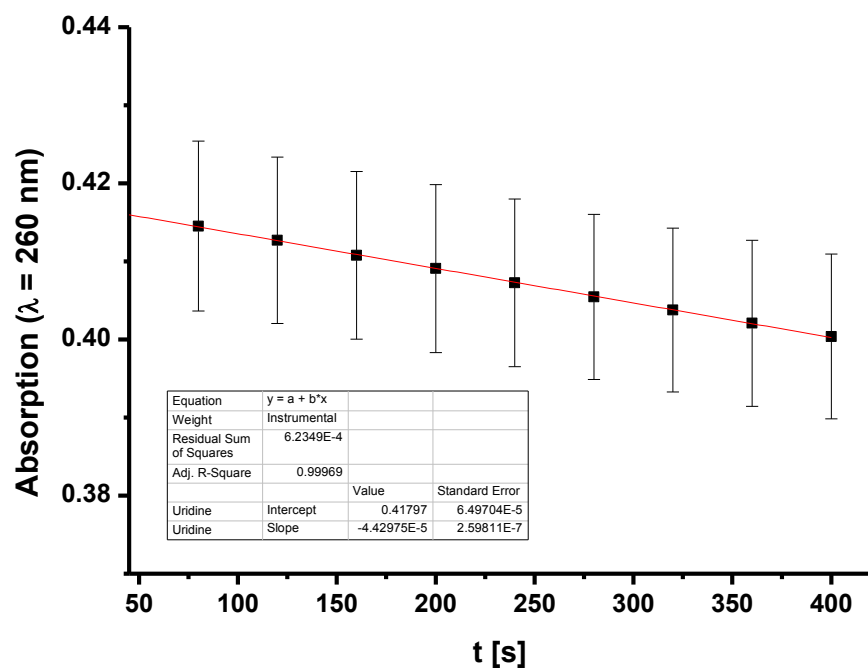


Fig. S1: Decay curve of uridine in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254 \text{ nm}$; $I_{261} = 0.18 \text{ mW/cm}^2$; $\text{pH} = 7$; $d_{\text{lamp}} = 5 \text{ cm}$; rt ; the error bars show the standard deviation ($n = 5$).

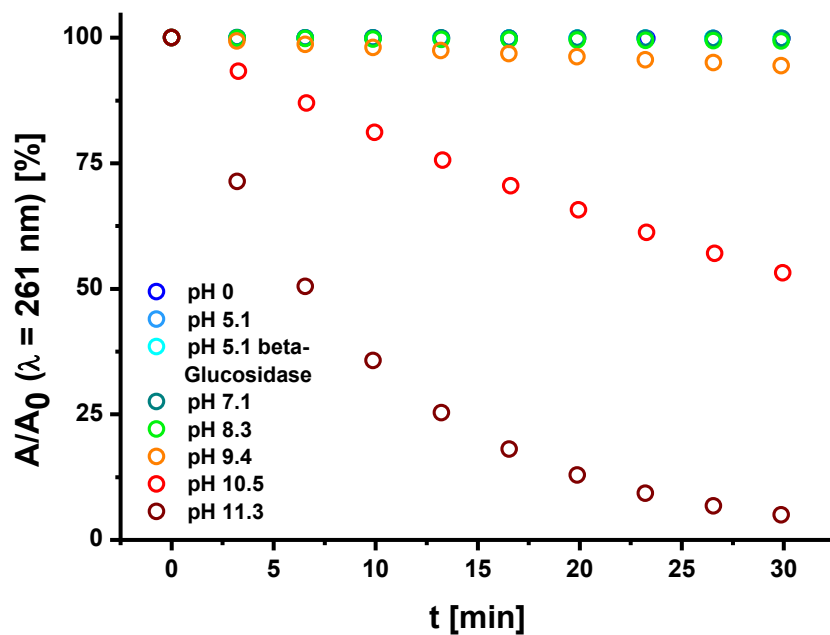


Fig. S2: Absorption of compound **1** at 261 nm under different pH conditions over the time.

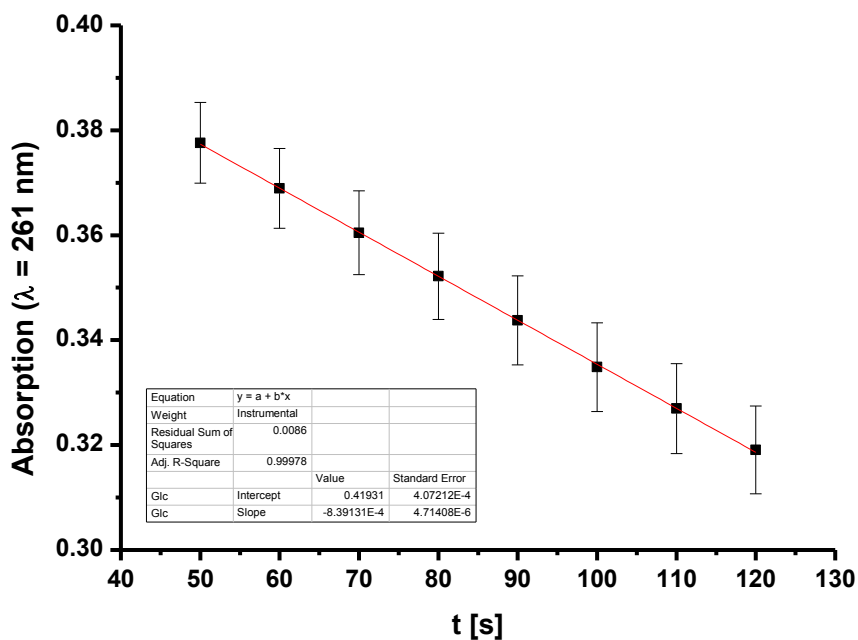


Fig. S3: Decay curve of comp. **1** in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254$ nm; $I_{261} = 0.18$ mW/cm²; pH = 7; $d_{\text{lamp}} = 5$ cm; rt; the error bars show the standard deviation ($n = 5$).

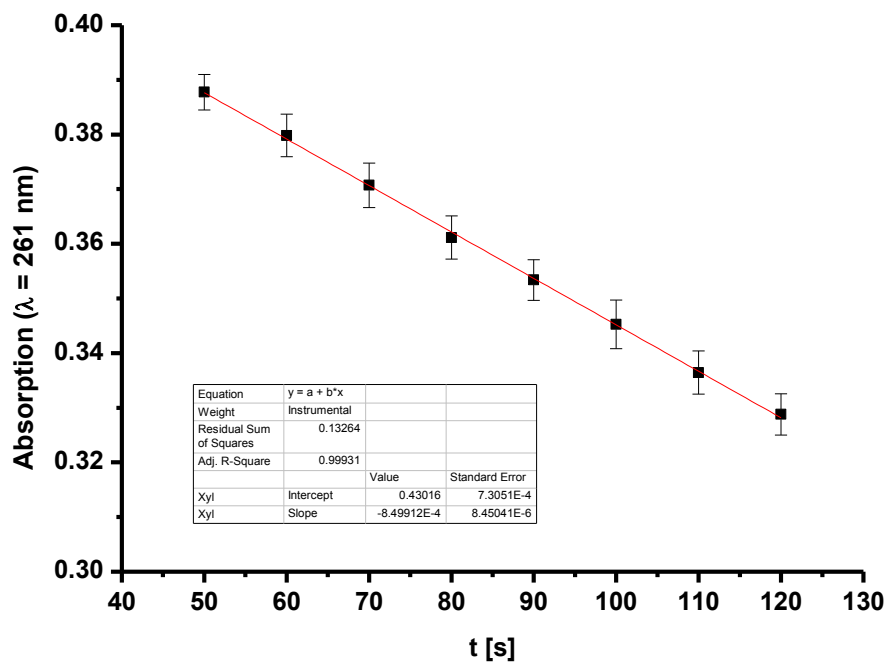


Fig. S4: Decay curve of comp. **2** in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254 \text{ nm}$; $I_{261} = 0.18 \text{ mW/cm}^2$; $\text{pH} = 7$; $d_{\text{lamp}} = 5 \text{ cm}$; rt; the error bars show the standard deviation ($n = 5$).

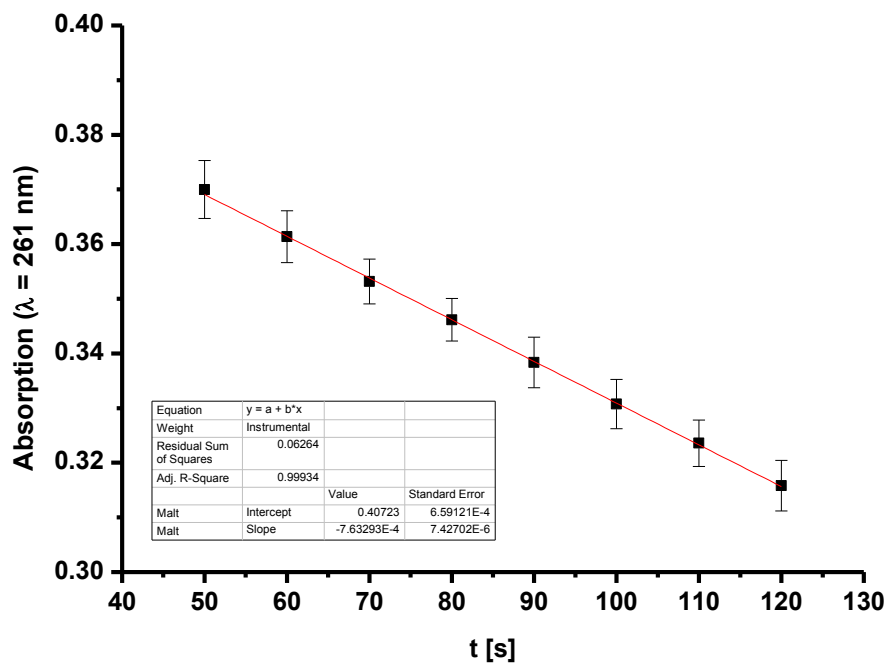


Fig. S5: Decay curve of comp. **3** in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254 \text{ nm}$; $I_{261} = 0.18 \text{ mW/cm}^2$; $\text{pH} = 7$; $d_{\text{lamp}} = 5 \text{ cm}$; rt; the error bars show the standard deviation ($n = 5$).

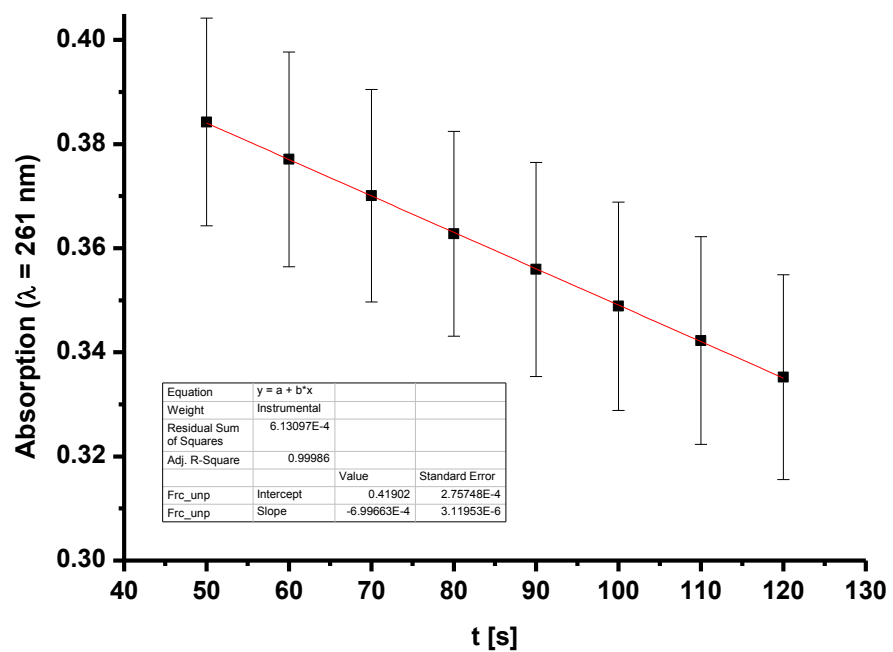


Fig. S6: Decay curve of comp. **4** in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254$ nm; $I_{261} = 0.18$ mW/cm²; pH = 7; $d_{\text{lamp}} = 5$ cm; rt; the error bars show the standard deviation ($n = 5$).

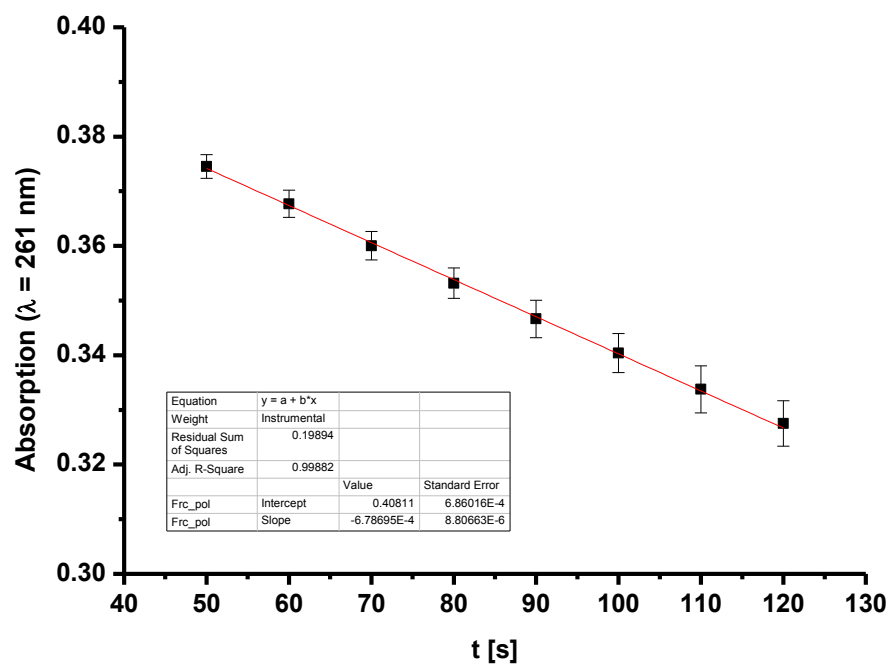


Fig. S7: Decay curve of comp. **5** in $\text{Na}_2\text{HPO}_4/\text{NaH}_2\text{PO}_4$; $\lambda_{\text{max}} = 254 \text{ nm}$; $I_{261} = 0.18 \text{ mW/cm}^2$; $\text{pH} = 7$; $d_{\text{lamp}} = 5 \text{ cm}$; rt; the error bars show the standard deviation ($n = 5$).