

In conclusion, we have developed a new efficient method for the hydrolysis of Schiff bases by the employment of 365 nm UV light. The application of this method to the synthesis of **2c** has been successful. Further research focusing on the mechanism of this reaction is in progress.

References and Notes

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- 7 Typical procedure for the hydrolysis of the Schiff bases under UV light: To a solution of **1c** (3 g) in acetone (60 mL) was added distilled water (5 mL). With nitrogen gas slightly bubbling through, the reaction solution was irradiated by a 300 W high-pressure mercury lamp for 40 min at r.t. Cupric sulfate aqueous solution was used as the photofilter to obtain 365 nm monochromatic light. After the removal of the solvent, the crude product was washed with ethyl ether to remove benzaldehyde, then the residue was dried at vacuum. **2c** was obtained as white solid in yield of 99%.
- 8 Satisfactory analyses (within $\pm 0.4\%$) were obtained for all new compounds. Selected data for **1b**: mp: 186–187 °C; ^1H NMR (300 MHz, DMSO- d_6) δ 3.77 (t, 2H, $\text{CH}_2\text{CH}_2\text{OH}$), 4.15 (t, 2H, $\text{CH}_2\text{CH}_2\text{OH}$), 5.06 (t, 1H, $\text{CH}_2\text{CH}_2\text{OH}$), 6.84 (dd, 1H, pyrimidinyl), 7.30 (d, 2H, phenyl), 7.58 (m, 3H, phenyl), 7.89 (d, 2H, phenyl), 7.95 (dd, 2H, phenyl), 8.32 (dd, 1H, pyrimidinyl), 8.61 (dd, 1H, pyrimidinyl), 8.63 (s, 1H, $\text{ArCH}=\text{N}$); MS (EI) m/z (RI) 382 (M^+ , 6), 348 (19), 279 (46), 260 (100), 244 (38), 196 (82), 180 (85), 152 (55), 109 (31). **2b**: mp: 224–226 °C; ^1H NMR (300 MHz, DMSO- d_6) δ 3.73 (t, 2H, $J = 4.5$ Hz, $\text{CH}_2\text{CH}_2\text{OH}$), 4.07 (t, 2H, $J = 4.5$ Hz, $\text{CH}_2\text{CH}_2\text{OH}$), 5.02 (t, 1H, $J = 5.4$ Hz, $\text{CH}_2\text{CH}_2\text{OH}$), 5.66 (br s, 2H, NH_2), 6.51 (d, 2H, $J = 8.7$ Hz, phenyl), 6.73 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 7.51 (d, 2H, $J = 8.7$ Hz, phenyl), 8.23 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 8.58 (q, 1H, $J = 2.4$ Hz, pyrimidinyl); MS (EI) m/z (RI) 295 ($[\text{M}+\text{H}]^+$, 15), 172 (60), 156 (100), 108 (29), 108 (83), 92 (81), 65 (68). **1c**: mp: 141–142 °C; ^1H NMR (300 MHz, Acetone- d_6) δ 1.83 (m, 2H, $\text{CH}_2\text{CH}_2\text{CH}_2$), 2.32 (t, 2H, $J = 7.2$ Hz, $\text{O}=\text{CCH}_2\text{CH}_2\text{CH}_2$), 2.50 (t, 2H, $J = 7.2$ Hz, $\text{CH}_2\text{CH}_2\text{CH}_2\text{Ph}$), 3.80 (m, 8H, $\text{N}(\text{CH}_2\text{CH}_2\text{Cl})_2$), 4.51 (t, 2H, $J = 2.1$ Hz, $\text{NCH}_2\text{CH}_2\text{O}$), 4.59 (t, 2H, $J = 2.1$ Hz, $\text{NCH}_2\text{CH}_2\text{O}$), 6.74 (d, 2H, $J = 8.7$ Hz, phenyl), 6.79 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 7.04 (d, 2H, $J = 8.7$ Hz, phenyl), 7.32 (d, 2H, $J = 8.7$ Hz, phenyl), 7.59 (m, 3H, phenyl), 8.02 (d, 2H, $J = 3$ Hz, phenyl), 8.07 (d, 2H, $J = 3$ Hz, phenyl), 8.38 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 8.60 (s, 1H, $\text{ArCH}=\text{NAr}$), 8.62 (q, 1H, $J = 2.4$ Hz, pyrimidinyl). **2c**: mp: 97–98 °C; ^1H NMR (300 MHz, CDCl_3) δ 1.81 (m, 2H, $\text{CH}_2\text{CH}_2\text{CH}_2$), 2.23 (t, 2H, $J = 7.2$ Hz, $\text{O}=\text{CCH}_2\text{CH}_2\text{CH}_2$), 2.53 (t, 2H, $J = 7.2$ Hz, $\text{CH}_2\text{CH}_2\text{CH}_2\text{Ph}$), 3.60 (t, 4H, $J = 6.0$ Hz, $\text{N}(\text{CH}_2\text{CH}_2\text{Cl})_2$), 3.70 (t, 4H, $J = 6.0$ Hz, $\text{N}(\text{CH}_2\text{CH}_2\text{Cl})_2$), 4.25 (t, 2H, $J = 4.5$ Hz, $\text{NCH}_2\text{CH}_2\text{O}$), 4.43 (t, 2H, $J = 4.5$ Hz, $\text{NCH}_2\text{CH}_2\text{O}$), 5.64 (br s, 2H, NH_2), 6.46 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 6.64 (dd, 4H, $J = 8.4$ Hz, $J = 2.4$ Hz, phenyl), 7.00 (d, 2H, $J = 6.9$ Hz, phenyl), 7.66 (dd, 1H, $J = 2.4$ Hz, $J = 4.2$ Hz, pyrimidinyl), 7.81 (d, 2H, $J = 6.9$ Hz, phenyl), 8.58 (q, 1H, $J = 2.4$ Hz, pyrimidinyl).