Synthesis and thermal properties of azobenezene derivatives having a coumarine skeleton at the terminal position

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Recently, we have reported that several liquid crystal materials having a coumarin skeleton show gelation abilities in various organic solvents [1,2]. These two molecular assemble states seem to have some common features, however, it is not clarified that the physico-chemical correlation between liquid crystals and organogels.

In this paper, we describe that synthesis and thermal properties of azobenzene derivatives incorporating a comarin at the terminal position (compound **1**), and these physical properties are compared with those of compounds **2** and **3** as shown in Figure.

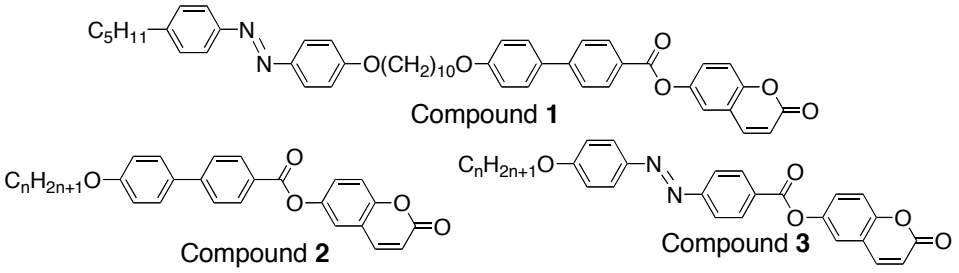

Figure. Chemical structures for compounds **1**–**3**

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References

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