MATERIALS



Reusable Photosensitive Materials Showing Reversible Solid-Liquid Phase Transition







(Figures are provided by Advanced Industrial Science and Technology (AIST), Japan.)

4,4'-Bis(hexyloxy)-3-methylazobenzene $R = C_6 H_{13}$ 500mg / 5g [B4596] $R = C_{10}H_{21}$ 4,4'-Bis(decyloxy)-3-methylazobenzene 500mg / 5g [B4597] R = C₁₂H₂₅ 4,4'-Bis(dodecyloxy)-3-methylazobenzene 500mg / 5g [B4598]

Advantage

RC

Can be repeatedly liquefied from solid form by UV light and solidified from liquid form by visible light at room temperature

Application 1



*These materials are under invention licenses by the Advanced Industrial Science and Technology (AIST), Japan. If you intend to use these materials for industrial purposes, please contact us.

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*Each sample thickness is ca. 1 µm. Photoresponse time dependent on film thickness and light intensity.

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