

## Synthesis of Mesoporous Silica Nanotubes by Glycyldodecylamide as a Template at Neutral Condition

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Novel synthetic method for the formation of mesoporous silica nanotubes was proposed using glycyldodecylamide (GDA) as an amino acid surfactant, which enabled to control the tube diameter, wall structure and morphology with the diverse structures of amphiphile due to the capability of H-bonds by forming amide bond. Moreover, this sol-gel transcription process could be elucidated at neutral condition that enabled the recyclable use of surfactant and resulted in unique structures depending on the temperatures of self-assembly.