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## Interactions of New bis-Ammonium Thiacalix[4]arene Derivatives in 1,3-Alternate Stereoisomeric Form with Bovine Serum Albumin

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## **Abstract**

© 2016, Springer Science+Business Media New York.New bis-ammonium thiacalix[4]arene derivatives with different lipophilicity were synthesized using copper(I)-catalyzed azide-alkyne cycloaddition in good yields. Binding of a new thiacalix[4]arene derivatives with bovine serum albumin (BSA) was investigated in detail using fluorescence spectroscopy method. Quenching mechanism, the binding constants, and number of binding sites were determined.

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## **Keywords**

Ammonium compounds, BSA, Luminescence, Quenching of luminescence, Thiacalix[4]arene, Triazoles