

**Calculated tautomeric equilibria and X-ray structures of 2-substituted N-methoxy-9-methyl-9H-purin-6-amines**

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**Calculation of hydration enthalpies of aqueous transition metal cations using two coordination shells and central ion substitution**

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**Solution-mediated inversion of SnSe to Sb<sub>2</sub>Se<sub>3</sub> thin-films**

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**2-Substituted agelasine analogs : Synthesis and biological activity, and structure and reactivity of synthetic intermediates**

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