

## Conformational analysis of secondary arylalkylphosphine selenides

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### Abstract

Conformational analysis of bis(2-phenylalkyl)phosphine selenides was performed by the dipole moment method and quantum-chemical calculations. Bis(2-phenylpropyl)phosphine selenide was found to exist as a mixture of several conformers, the most energetically favorable of which being characterized by gauche (non-eclipsed) orientation of the P=Se and Csp<sup>3</sup>-C sp<sup>3</sup> bonds. © Pleiades Publishing, Ltd., 2012.

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