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Dipole moments and conformations of 2-(4-pyridyl) ethyl aryl selenides and 2-(4-pyridyl)ethyl aryl sulfones with two nonidentical geminal axes of internal rotation

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Abstract

1. Certain 2-(4-pyridyl)ethyl aryl selenides and 2-(4-pyridyl)ethyl aryl sulfones have been synthesized and their characteristic constants determined. 2. The selenides show structures with trans and gauche C-Py and C-Se fragment orientations, the latter predominant; conformational equilibrium in the sulfones is displaced toward the form with gauche orientation. © 1978 Plenum Publishing Corporation.

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