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New tetrahedral boron heterobicycles: Cyclocondensation of phenylboronic acid with β-keto butanoic acid *N*-acyl hydrazones.

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ABSTRACT

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4-phenyl-2-aryl-8-methyl-6-oxo-7-phenylhydrazo-2H,4H,6H,7H,8H[1,3,4,2]-А series of oxadiazaborolo[2,3-b][1,3,2]oxazaborines were prepared in high yields via the reaction of phenylboronic acid with various N-acylhydrazones of 3-keto-2-(2'-phenylhydrazono) butanoic acid in the presence of 4Å molecular sieves. These derivatives represent a novel class of zwitterionic, tetrahedral boron heterocycles. Single crystal X-Ray analysis of a representative

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boron containing product is reported.

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