

2,5-Dimethyl-3,6-bis[(2,6-diisopropylphenylimino)methyl]- and 2,6-Bis[(2,6-diisopropylphenylimino)methyl]pyrazine: Two New Chelating Ligands for Transition Metal Complexes

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The reaction of tetramethylpyrazine with SeO_2 yields 2,5-dimethylpyrazine-3,6-dicarboxaldehyde (**1**) from which the 2,5-dimethyl-3,6-bis[(2,6-diisopropylphenylimino)methyl]pyrazine (**2**) was synthesized by treatment with 2 equivalents of 2,6-diisopropylaniline. 2,6-Dimethylpyrazine reacts with benzaldehyde to give 2,6-distyrylpyrazine (**3**). Ozonolysis of **3**, followed by treatment with Na_2SO_3 and 2,6-diisopropylaniline resulted in the formation of 2,6-bis[(2,6-diisopropylphenylimino)methyl]pyrazine (**5**) together with [(2,6-diisopropylphenylimino)methyl]benzene (**6**).

Key words: Diimine, Dialdehyde, Pyrazine, Chelating Ligands