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Synthesis of novel C_2 -symmetric salen molecules

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ABSTRACT

The five Schiff base type salen molecules have been synthesized from the diamine and substituted salicylaldehydes in the molar ratio of 1:2. *N, N'*-dimethyl ethylenediamine was reacted with 1-cholo-2-nitrobenzene to obtain *N, N'*-dimethyl-*N, N'*-bis(2-nitrophenyl)ethane-1,2-diamine. It was further reduced to get *N, N'*-ethane-1, 2-diylbis (*N*-methylbenzene-1, 2-diamine). All the compounds were characterized by IR, ¹HNMR, ¹³CNMR, and Mass Spectrometry.

Keywords: Schiff base, C_2 - symmetric, Salens.
