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# A laccase-catalysed synthesis of triaminated cyclohexa-2,4-dienones from catechol

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**Abstract**

A commercial laccase, Suberase_ from Novozymes, catalyses the synthesis of triaminated cyclohexa-2,4-dienones and a methylbenzene-1,2-diol derivative. The primary amine (analine) and the catechol was reacted under mild conditions (40 _C) in a reaction vessel open to air in the presence of Suberase_ and a co-solvent (DMF) at pH 6.0. This reaction was also conducted using an environmentally friendly cosolvent (EtOH). Triamination is favoured over diamination and monoamination.