

PATENT NO. 357666
SYNTHESIS OF BIS(DI-2-{(E)-4-HYDROXY-3-[(E)-(P-TOLYLIMINO) MYTHYL]PHENYL)DIAZENYL}BENZOATE) TETRA-N-BUTYLDISTANNOXANE

APPLICATION NO. 654/KOL/2012

APPLICANT

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ABSTRACT

A compound, bis (di-2-{(E)-4-hydroxy-3-[(E)-(p-tolylimino) methyl]phenyl) diazenyl}benzoate)tetra-n-butyl-distannoxane, is reported. Also provided is a process for preparation of the same comprising steps of dehydration between 2-((E)-(4-hydroxy-3-[(E)-(p-tolylimino) methyl]diazenyl}benzoic acid with di-n-butyltin oxide in anhydrous toluene at reflux temperature. The compound can be isolated in pure form by crystallization at room temperature by following slow evaporation of the reaction mixture. The purity of the title compound is judged by M.Pt., IR, NMR (¹H, ¹³C, ¹¹⁹Sn), ESI-MS, ¹¹⁹Sn Mossbauer and single crystal X-ray crystallography.

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