



**Short Communication**

**Synthesis, Characterization and Reactivity Studies of  
(trimethylsilyl) propyl triethoxysilane via Grignard Reaction**

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**ABSTRACT**

*A new class of silatranes 8-10 were synthesized by the transesterification of (trimethylsilyl)propyl triethoxy silane 4 with triethanolamine 5, tris(isopropanol)amine 6 and tris(2-aminoethyl)amine 7. Silane 4 was synthesized by the reaction of chloropropyltriethoxysilane with magnesium turnings in tetrahydrofuran at 0 to 20 °C to form (triethoxysilyl)propyl magnesium chloride. The structures of all the compounds were established by spectroscopic (IR, <sup>1</sup>H, <sup>13</sup>C) techniques and purity of the compounds was confirmed by elemental analyses.*

**Keywords:** Silatrane, triethanolamine, tris(isopropanol)amine and tris(2-aminoethyl)amine.

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