

# Synthesis of Indole, Derivatives of Indole and Mono-Substituted Indole

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**Abstract:** *Indoles are occurs both naturally and synthetically. Indoles are most important heterocycles in organic chemistry. Indoles & its derivative exhibit wide range of biological activity such as anti-Alzheimer's disease, anti-Bacterial, anti-cancer, anti-diabetic, anti-inflammatory, anti-oxidant, anti-fungal & anti-corona virus. [1,2] In presence research work involve synthesis of Indole, derivative of Indole & substituted Indole is characterized by Chemical/Physical test & Two, Indole & 3nitro-indole is characterized by IR Spectra.*

**Keywords:** Indol, Organic compound, Heterocycles, Biological active etc

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