



**Review**

**Application of Functionalized Indole Derivatives as Kinase Inhibitor and Potential Anticancer Agents**

**Atul H. Bapodra\***

\*Department of Chemistry, M. D. Science College, Porbandar, Gujarat, **INDIA**  
Email: dratulbapodara@gmail.com

Accepted on 28<sup>th</sup> February, 2018

---

**ABSTRACT**

*Despite advances in cancer treatments and therapies, cancer still remains as major public health problem in modern world. Therefore, developments of novel cancer therapeutics are urgently needed to improve cancer prognosis. There is considerable interest exists in target based anti-tumor effects of synthetic molecule targeting various kinases such as tyrosine kinases (RTKs), vascular endothelial growth factor receptor (VEGFR), protein kinase B (Akt). This review is focused on the application & developments of functionalized indoles as kinase inhibitors & their anticancer activity.*

**Keywords:** Indoles, Anticancer, Kinase inhibitors, Heterocycles

---