

## **N-Alkylation Of 6,6'-Dibromoisindigo via Tosylate: An Economical Pathway**

### **ABSTRACT**

This paper introduces a substantial and price reasonable pathway to N-alkylate the 6,6'-dibromoisindigo. The conventional method for this N-alkylation involves the usage of alkyl bromides, which are available in the commercial with high-priced and limited amount. In this research, the price to purchase 7-(bromomethyl) pentadecane is four-fold than the cost to synthesize the relevant tosylate from 2-hexyl-1-decanol. The most suitable reaction condition to N-alkylate this 6,6'-dibromoisindigo is by refluxing it with potassium carbonate in dried DMF under nitrogen atmosphere. After characterization, it can be concluded that 6,6'-dibromoisindigo has been successfully N-alkylated with tosylate without involved the expensive alkyl bromide.