

## عنوان مقاله:

Investigation of dibromo and N-bromoacetyl derivatives of [b] carbazole-synthesis and antibacterial evaluation

## محل انتشار:

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## خلاصه مقاله:

The synthesis, structure and biological activity of carbazole compounds has been long focus of research interests in the field of medicinal chemistry. 5,8-dibromo-5,6-dihydro(3,2-a)carbazole A have prepared in good yield by a free radical bromination reaction of 8-bromo-5,6-dihydro9(3,2-a)carbazole with N-bromosuccinimide in carbontetrachloride at ambient temperature.. Compound 2 have prepared by free radical brimination method in carbontetrachloride at 40°C. Synthesis of compound C have carried out by free radical bromination with 5-bromo-1,2,3,4-tetrahydrocyclopenta(b)indole as reactant, in dichloromethane at ambient temperature. Compound 2, 4, and 6 were synthesized by N-bromoacetylation method using bromoacetyl bromide as reactant. All the synthesized compounds were characterized and confirmed by various instrumental techniques Viz, UV-visible, FTIR, 1H NMR, 13C NMR and Mass spectroscopy. All the synthesized compounds were subjected to the antibacterial evaluation with standard .Ciprofloxacin. The results showed that the synthesized compounds exhibit excellent antibacterial activity

## کلمات کلیدی:

N-bromosuccinimide, bromoacetyl bromide, carbontetrachloride, Carbazole deivative

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/887693>

