**Generation and Trapping of Carbene from Diazotisation of 4-Amino-1,2,4-Triazole**

Bhagyashree Singhal , R.K. Bansal\*

Department of Chemistry, The IIS (Deemed to be University), Jaipur (India).

Bhagyashreesinghal23835@iisuniv.ac.in

**Abstract:** In recent years, N-heterocyclic carbenes (NHC) have attained a prominent place in synthetic organic chemistry[1]. We generated an NHC from diazotization of 4-amino-1,2,4-triazole with sodium nitrite, triflouroacetic acid in acetonitrile followed by loss of nitrogen. The resulting carbene was trapped with dimethyl acetylenedicarboxylate.



**Reference**

1. Hopkinson, M.N.; Richter, C.; Schelder, M.; Glorius, F. An overview of N-heterocyclic carbenes, *J. Nature* **2014**, *510*, 485-495