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

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**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. Nature13384* **2014**, *510*, 485-495