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## Synthesis of 4-substituted quinolone bearing a [1,2,4] triazolo[4,3-a] quinoline as potent antimalarial and antitubercular agents

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Quinolone is a synthetic compound containing a 2-oxo-1,2-dihydroquinoline

skeleton, are commonly encountered to develop novel heterocycles with fascinating biological activities like anti-HIV, antioxidant, anticancer, antimalarial and antibacterial, antitubercular. Moreover, [1,2,4] triazolo [4,3-a] quinoline molecule which also exists in the core structure of several biological activities. In these works, we coupled both molecules 6-amino-4-(sub)

quinolone and [1,2,4] triazolo [4,3-a] quinoline by chloro-amine coupling reaction led to the final compound.

### Biography

Jayvirsinh Gohil has completed his Ph.D. in 2017 from Sardar Patel University under the guidance of Prof. Manish P. Patel. He has published five papers in reputed journals. He is currently working at Cadila Healthcare Limited (Zydus Group, 6th rank in India) as a Research Associate for drugs impurity, intermediate and API synthesis in the Research & Development Department.

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