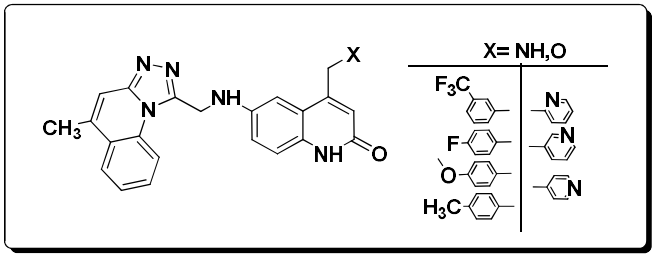


Synthesis of 4-substituted quinolone bearing a [1,2,4]triazolo[4,3-a]quinoline as potent antimalarial and antitubercular agents

Dr. Jayvirsinh D. Gohil[1], Dr. Manish P. Patel[2]
R & D, Cadila Healthcare Limited, Gujarat, India[1].
Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, India[2].

Quinolone is synthetic compound containing 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 biologically activities. In these work, 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

Prof. Manish P. Patel has more than 20 years of teaching and research experience in the department of chemistry, Sardar Patel University. He guided 18 PhD students. He has more than 105 publications in internationally reputed journal which are indexed in science citation index. He is the member of the society for Polymer science (SPS), New Delhi, India (Life Member), Indian Council of chemistry (ICC), The Indian Society of Analytical Scientist, Society for Material Chemistry, American Chemical Society (Membership No-2405719), 2006-2007.

Dr. Jayvirsinh Gohil has completed his PhD 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 Research & Development Department.

Presenting Author

Full Name- Dr. Jayvirsinh Dilipsinh Gohil

Contact No: +919998027361, +919773280261

E-mail: Jayvirgohil31@gmail.com

Linkedin Account : www.linkedin.com/in/dr-jayvirsinh-gohil-0097069b

Category: Poster Presentation