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Synthesis, characterization, and biological activities of meso-tetraphenylPorphyrin Schiff bases

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Novel porphyrin Schiff bases were synthesized by a simple Schiff base condensation in refluxing 5-(4-aminophenyl)-10,15,20-triphenylporphyrin (ATTP) between 2,3-dimethoxybenzaldehyde and 2,3,4-trimethoxybenzaldehyde. The newly synthesized porphyrin Schiff bases were characterized on the basis of their chemical properties and spectral data. The synthesized compounds showed analgesic, anti-inflammatory, and antibacterial activities.

Biography

Mian Gul Sayed completed his Ph.D. at the University of Malakand, KP Pakistan, in collaboration with the University of Leuven Belgium. He is an assistant professor at the Institute of the Chemical Sciences University of Swat, Swat, KP, Pakistan. He has participated in various conferences and conventions.

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