Instrumentation and Methodology

**Infrared Spectra**

IR spectra were recorded on Perkin-Elmer KBr Unicam FTIR 1000 and Shimadzu Spectrophotometer using KBr pellets. Wave numbers are expressed in cm\(^{-1}\).

**NMR Spectra**

\(^1\)H NMR Spectra were recorded on Bruker AV (400 and 500 MHz) Spectrometer, AVON series 400 and 500 MHz supercon Bruker Germany and JEOL MODEL GSX 270 FT NMR Spectrophotometer (400 MHz) Supercon Spectrometer using CDCl\(_3\) and DMSO-d\(_6\) as solvents and TMS as an internal standard reference. Chemical shifts are expressed in \(\delta\) values [ppm].

**Mass Spectra**

The mass spectra were recorded on a Joel JMS-D 300 mass spectrometer operating at 70 ev and Triple Quadropole LC-MS with ESI source. Mfg.SCIEX.

**CHN:** Elemental analysis was done by a Perkin-Elmer auto analyzer.

**Purity**

Purity of compounds was checked by TLC.

**Biological Activity and Pharmacological Screening**

Biological and pharmacological activities have been carried out at Radiant Research Services Pvt. Ltd., Bangalore, Marata mandel NGS Institute of Dental Science, Belgaum. SJM Pharmacy College, Chitradurga, Sahyadri Science College, Shimoga and Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) Mumbai. Radiant Research Services Pvt. Ltd., Bangalore.