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Transition metal complexes/organometallic compounds as anticancer/anti HIV drugs or in pharmaceutical industry**Prakash Kinthada**
JNTU University, India

Cancer is a dreadful disease and any practical solution in combating this disease is of paramount importance to public health. Cancer patients have burdened by drug induced toxic side effects, and no turned to seek help from the complementary and alternative medicine hoping for a better cure. Research on platinum based drugs and non-platinum based drugs is a Multi-Million Dollar Industry in USA and there is every need to produce safe drugs for the cure of this monstrous disease. Flavonoids have a long history of use in traditional medicines in many cultures. The phytochemical, curcumin is one of the major dietary flavonoid, belonging to a group of flavonol, curcumin is a natural polyphenol. It is highly potential molecule capable of preventing and treating various cancers. Various dietary chemo preventive agents, turmeric powder or its extract are broadly used as therapeutic preparations in Indian system of medicine. We provide a summarized synthesis and structural determination of Curcumin Oxime, Curcumin Th.

Biography

Prakash Kinthada is a Professor of Chemistry at Sri Vidyanikethan Engineering College, JNTU University in Ananthapur, India. Earlier he was an Associate Professor of Chemistry at GITAM University, Visakhapatnam, India. He had recently returned from USA, where he was an NIH Visiting Fellow at Karmonas Cancer Research Institute, Wayne State University School of Medicine. He was a Royal Society Visiting Scientist in the Inorganic Chemistry Laboratories at the University of Oxford, UK, working on transition metal complexes as anticancer drugs. He was a Visiting Fellow at the Department of Chemical Engineering and Applied Chemistry at Aston University, Birmingham. He had 33 national publications and 31 international conference presentations. He had been awarded as a FRSC (Fellow of Royal Society of Chemistry), London, UK. He had been appointed as the Deputy Director General of the International Biographical Center, Cambridge, UK. He had been made a Member of Research Board of Advisors Conferred by American Biographical Institute, North Carolina, USA.

pk6030882@gmail.com