

## Synthesis, Characterization and Docking Studies of Novel Series of 2-[5-(1H)-tetrazolo]-yl-6-aryl-4,5-dihydro/dehydro-pyridazin-3(2H)-ones

Saritha Pola\*, Dr. M. Sumakanth, N. S. P Sirisha and K. Rama

*RBVRR Women's College of Pharmacy, Barkathpura, Hyderabad, Telangana, India.*

---

**ABSTRACT:** A series of novel 2, 6-disubstituted Pyridazin-3(2H)-ones have been synthesized using appropriate synthetic route and evaluated by spectral analysis. The synthesized compounds were subjected to Docking studies to know the binding affinity with the active site of the target COX-2 (PDB ID-3NTB).

**KEYWORDS:** Cox<sub>2</sub>; Docking; pyridazin-3(2H)-ones; inflammation.

---