



## Formulation of Nabumetone Controlled Release Tablets Using HPMC K 4m

Chirravuri S Phani Kumar<sup>\*1</sup>, Dwarampudi Suma<sup>2</sup>, Mediseti Lalitha<sup>2</sup>, Thulluru Ashok<sup>1</sup>  
and N Baskar Reddy<sup>1</sup>

1. Department of Pharmaceutical Technology, Lydia College of Pharmacy, Ravulapalem,  
Andhra Pradesh-533238, **INDIA**

2. Department of Pharmaceutical Technology, Aditya College of Pharmacy, Surampalem, Peddapuram,  
Andhra Pradesh-533433, **INDIA**

Email: [chsphanikumar@gmail.com](mailto:chsphanikumar@gmail.com)

Accepted on 12<sup>th</sup> January 2016

---

### ABSTRACT

*Nabumetone [1] is a non-steroidal anti-inflammatory drug used in pain management. The drug release was extended for prolonged duration of period to maintain the drug concentration within therapeutic range, by formulating the controlled release tablets using HPMC K 4M as a release retardant at various concentrations like 25, 31.25 and 37.5 mg per 600 mg Nabumetone tablets, containing 500mg strength. Finally it was observed from in-vitro dissolution data, the release was extended up to 24 h (F1 & F2 formulations).*

**Keywords:** Nabumetone, controlled release, HPMC K 4M.

---