

hepatic impairment. For severe hepatic patients daily dosages should not exceed 20 mg (Talley NJ *et al.*, 2000) .

Physical properties of esomeprazole is illustrated in table (4).

Table 4 : Physical Properties of Esomeprazole .

| Property                | Value                          |
|-------------------------|--------------------------------|
| Melting point           | 155 °C                         |
| Water solubility        | Very slightly soluble in water |
| LogP                    | 0.6                            |
| Water solubility        | 3.53e-01 g/l                   |
| LogS                    | -3                             |
| pKa (strongest acidic)  | 9.68                           |
| pKa (strongest basic)   | 4.77                           |
| Physiological charge    | 0                              |
| Hydrogen acceptor count | 5                              |
| Hydrogen donor count    | 1                              |
| Polar surface area      | 77.1                           |
| Rotatable bond count    | 5                              |
| Refractivity            | 93.66                          |
| Polarizability          | 37                             |