

(K.Marumo *et al.*, 2001). As an illustration PDE6 an enzyme exist in the retina and plays a major role in transfer of light impulses into nerve impulses and its inhibition will cause disturbances in colour perception , vardenafil and sildenafil are three and seven times more selective for PDE5 than PDE6 respectively while tadalafil is over 700 fold more selective for PDE5 than PDE6 (Goldstein I, *et al.*, 1998). All things considered, PDE5 inhibitors are potent and selective inhibitors of the type five PDE and the IC50 for sildenafil 0.96 nm, 0.16 nm for vardenafil and 0.94 nm for tadalafil (Saenz de Tejada I, *et al.*, 2002). The duration effect of sildenafil and vardenafil is almost 4-5 hours while for tadalafil it is up to 36 hours (Hatzichristou DG, *et al.*, 2003).

On the whole, class specific side effects of phosphodiesterase type 5 inhibitors include headach, flushing, nasal congestion, dyspepsia and myalgia (Hellstrom, *et al.*, 2002).

The Pharmacokinetics profile of the PDE5 inhibitors are shown in table (5) (Montorsi F., *et al.*, 2004).