

(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).