Target Name	Phosphodiesterase 5
Target TTD ID	TTDS00296

Target Species	Human
Chemical Type	Pyridopurinone derivatives
Mode of Action	Inhibitor
QSAR Model 1	Activity: $(6.19 \times 10^{3}) + (-1.54 \times 10^{2})[\text{EEeeCH}] + (-3.43)[\text{AIC1}] + (3.23 \times 10^{1})[\text{RNOA}] + (-1.08 \times 10^{-2})[\text{EWPNSA}] + (7.29 \times 10) \times [\text{MeRIC}]$
QSAR Model 2	Biological Activity: $(6.1881 \times 10^{3}) + (-3.4269)[\text{AIC1}] + (1.5357 \times 10^{1})[\text{EEeeCH}] + (3.2264 \times 10^{1})[\text{RNOA}] + (-1.0776 \times 10^{-2})[\text{EWPNSA}] + (7.2946 \times 10^{1})[\text{MeRIC}]$
Molecular Descriptor	Access the following web-servers to compute molecular descriptors: **MoDel** and **e-dragon** Relative number of oxygen atoms, RNOA; Average information content, AIC1; Exch. eng. + e-e rep. for a C–H bond, EEeeCH, ESP-WNSA-1 Weighted PNSA (PNSA1*TMSA/1000) EWPNSA, and min-1 electron reaction index for a C atom, MeRIC) descriptors
Reference	Molecular modeling studies of pyridopurinone derivatives-Potential phosphodiesterase 5 inhibitors. *Journal of Molecular Graphics and Modelling* 26 (2007) 378–390