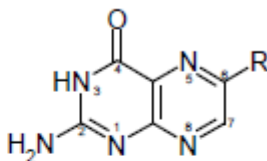
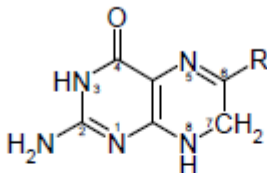


*Dihydropterin**Oxidized pterin**R*-(CHOH)<sub>2</sub>-CH<sub>3</sub>Dihydrobiopterin  
(H<sub>2</sub>Bip)Biopterin  
(Bip)

-CHO

-

6-formylpterin  
(Fop)

-COOH

-

6-carboxypterin  
(Cap)(H<sub>2</sub>Bip)<sub>2</sub>