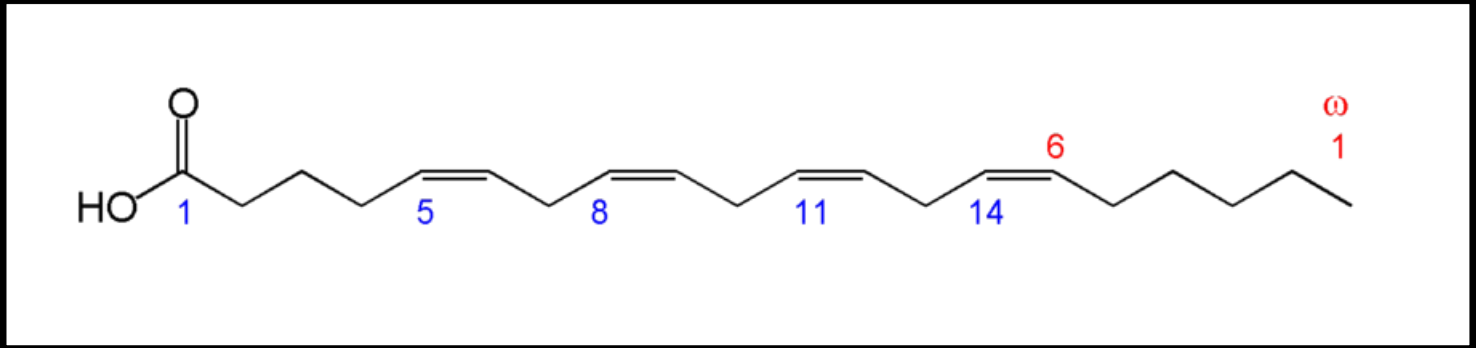
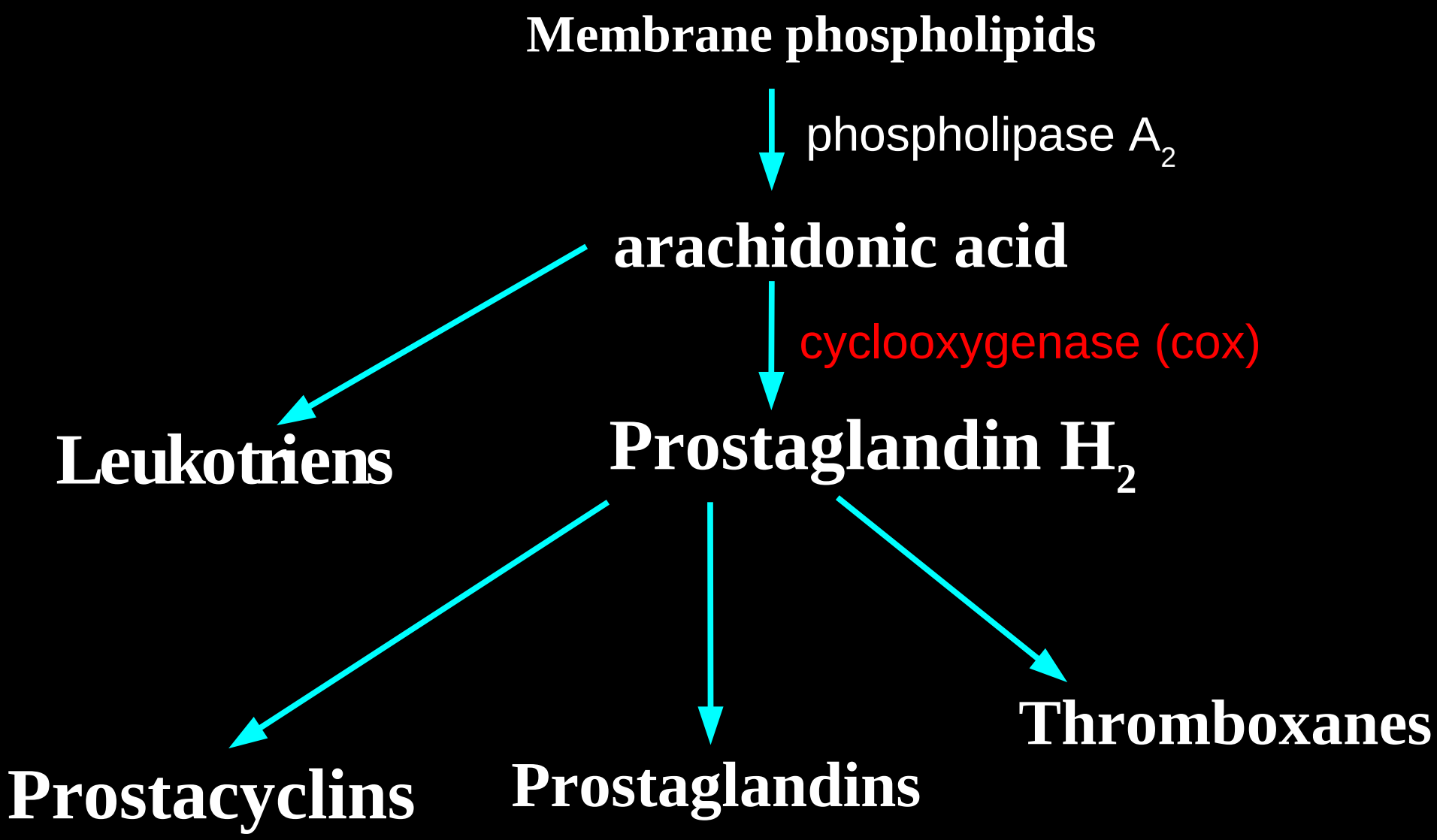
Eicosanoids

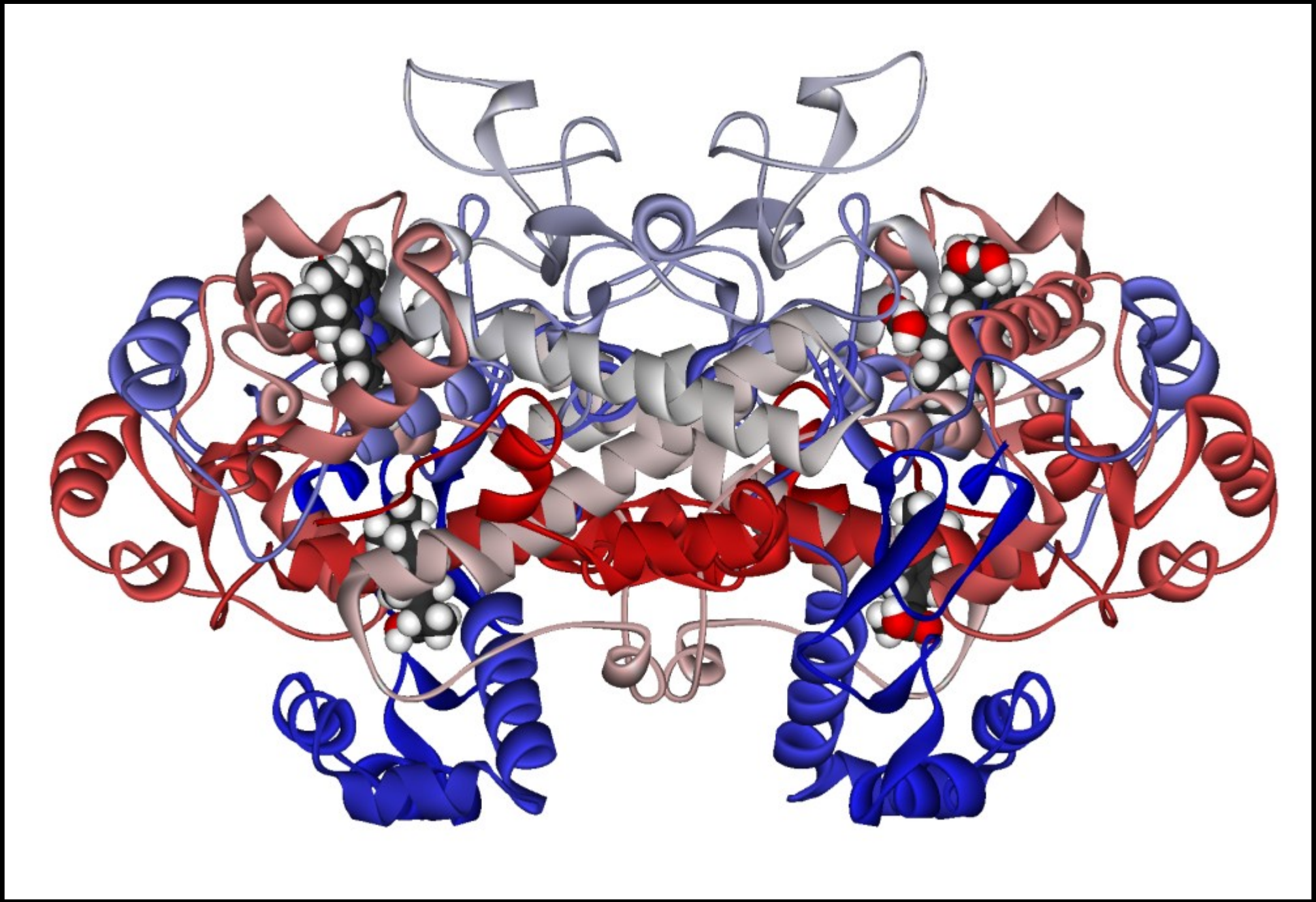
Arachidonic acid



Eicosanoid pathway



Cyclooxygenase 1



Cyclooxygenase Reactions

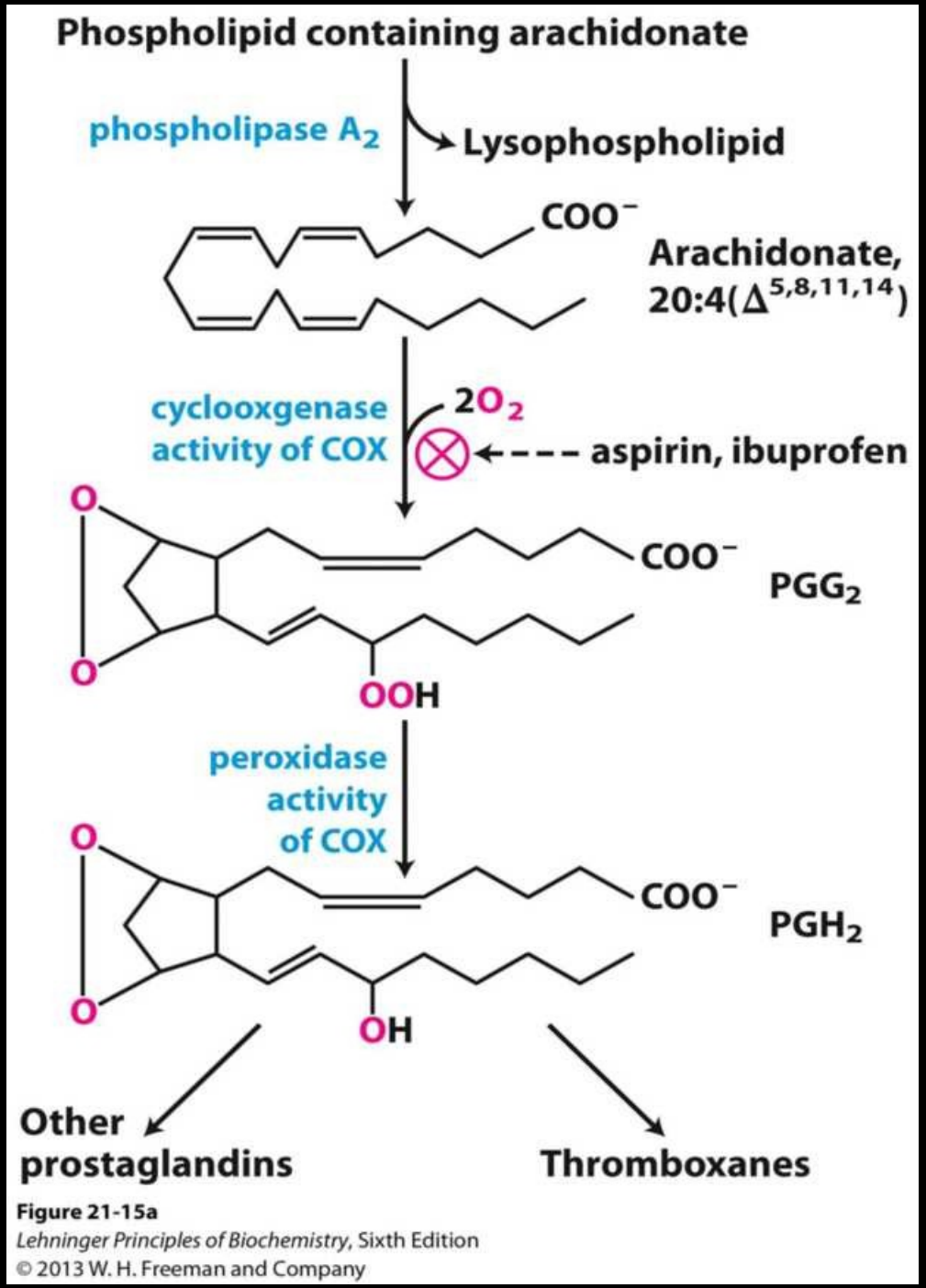
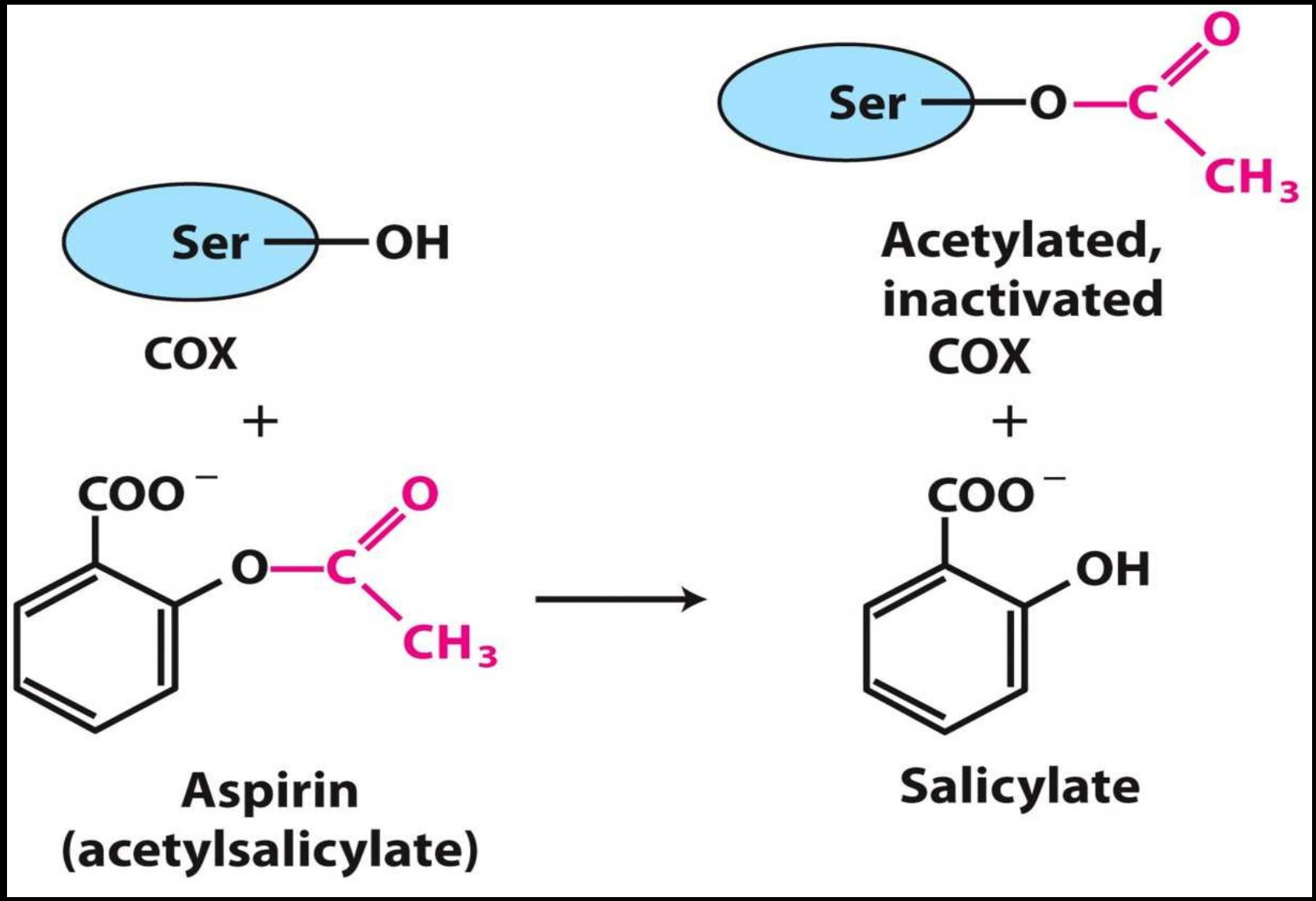
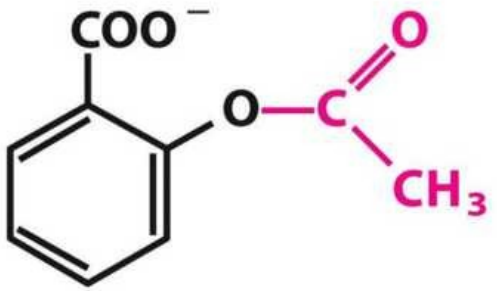


Figure 21-15a
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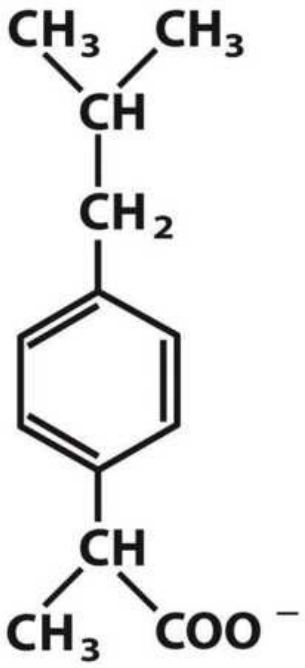
Cox inhibitors - Aspirin



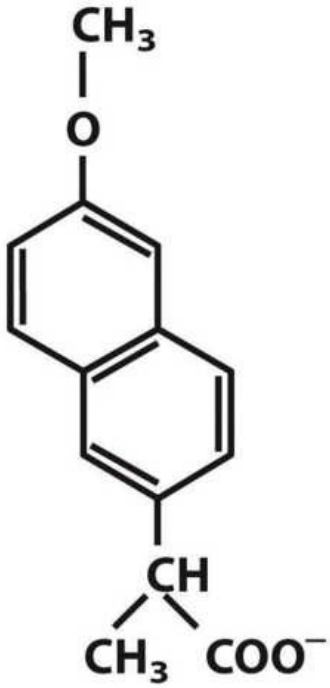
Cox inhibitors



Aspirin
(acetylsalicylate)



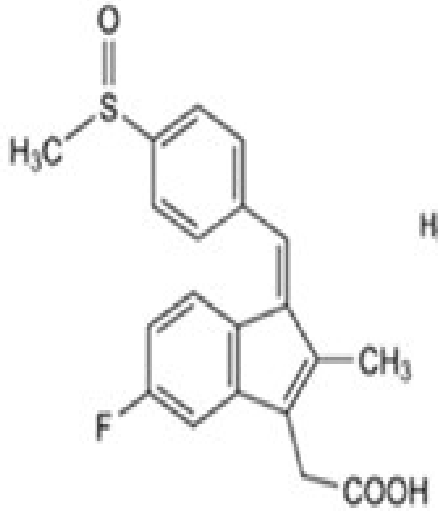
Ibuprofen



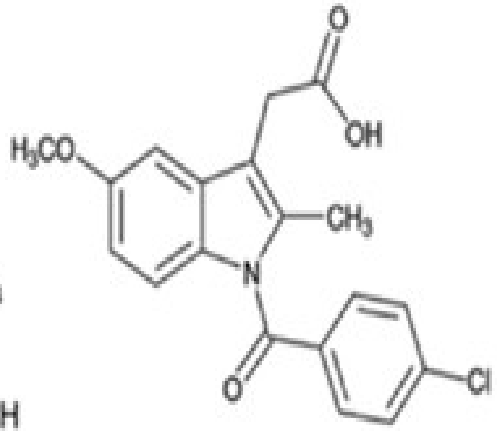
Naproxen

Cox inhibitors

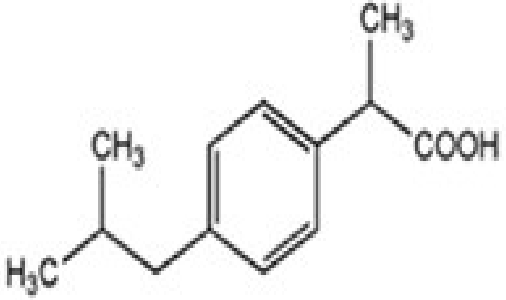
NSAIDs



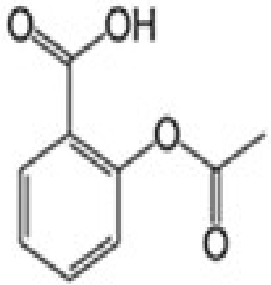
Sulindac



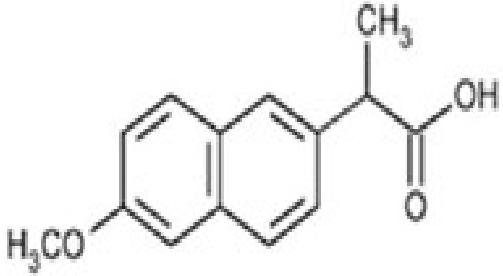
Indomethacin



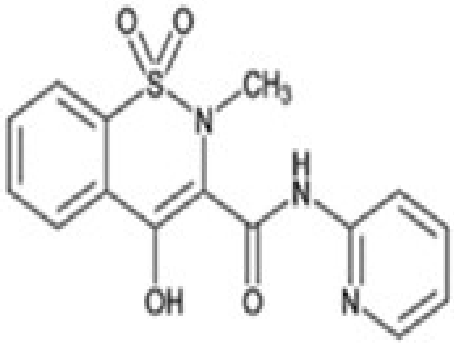
Ibuprofen



Aspirin

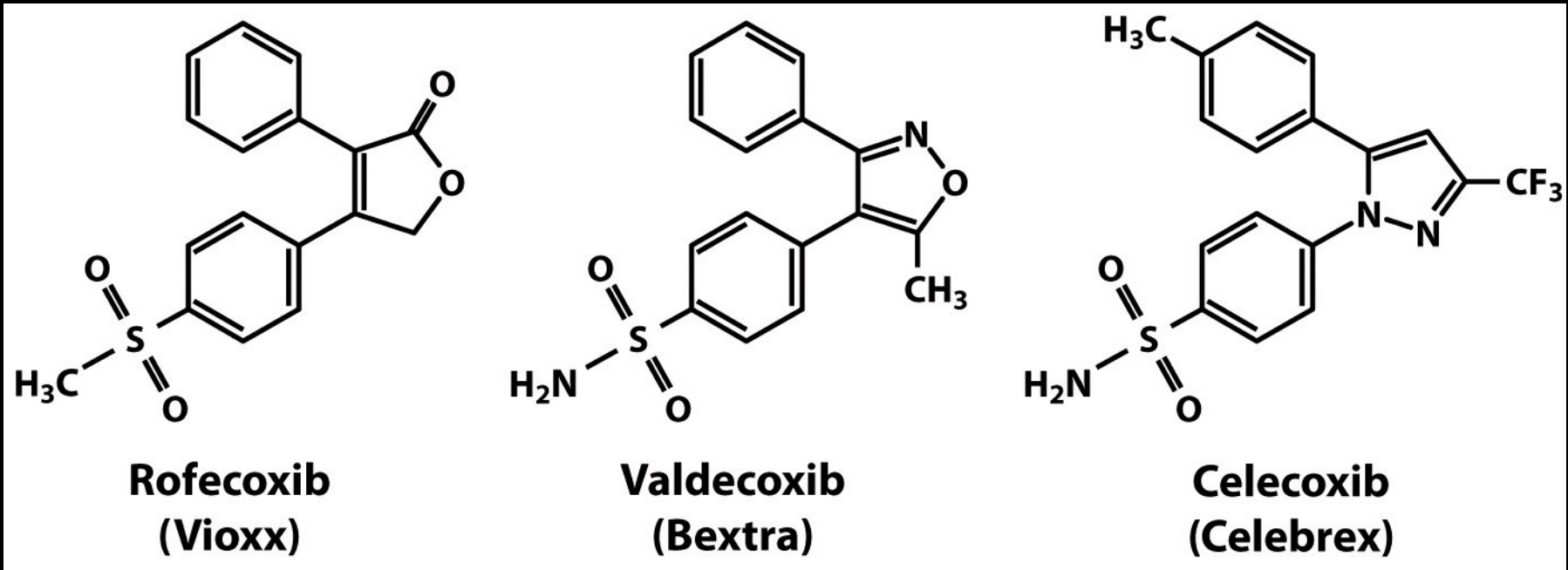


Naproxen

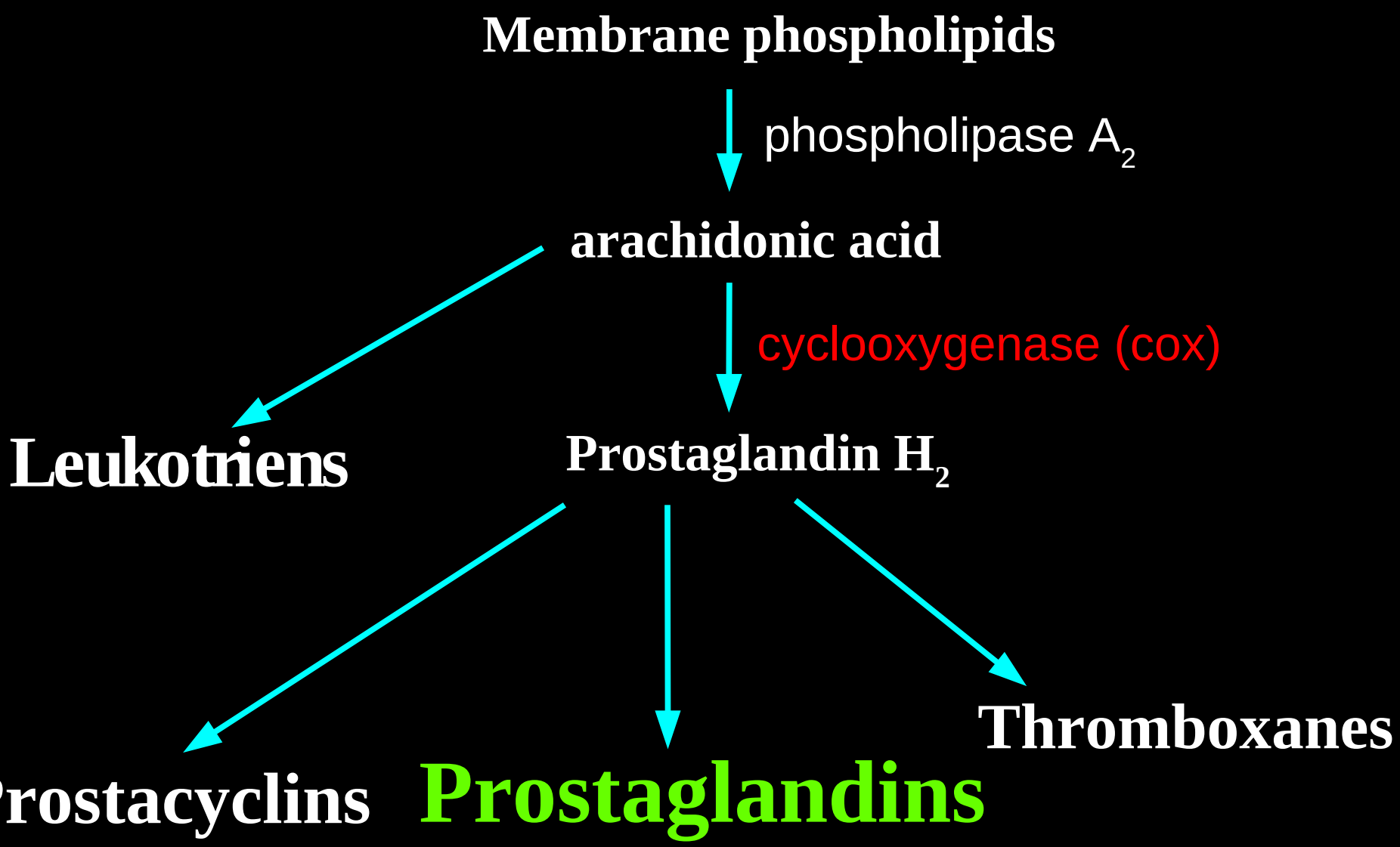


Piroxicam

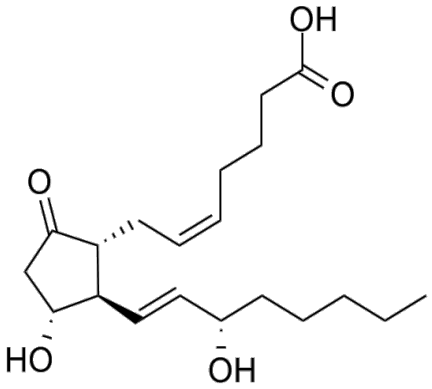
Cox2 inhibitors



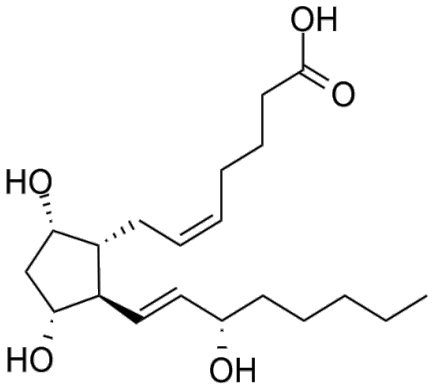
Eicosanoid pathway



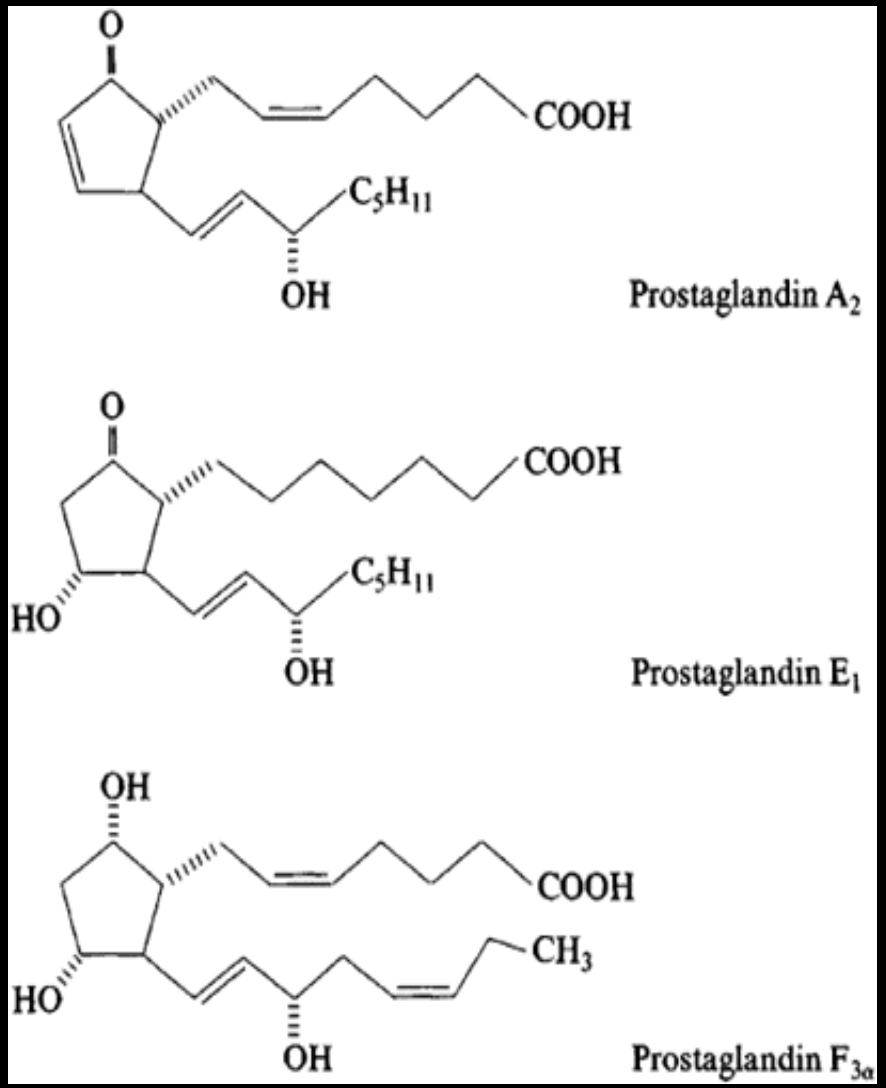
Prostaglandins



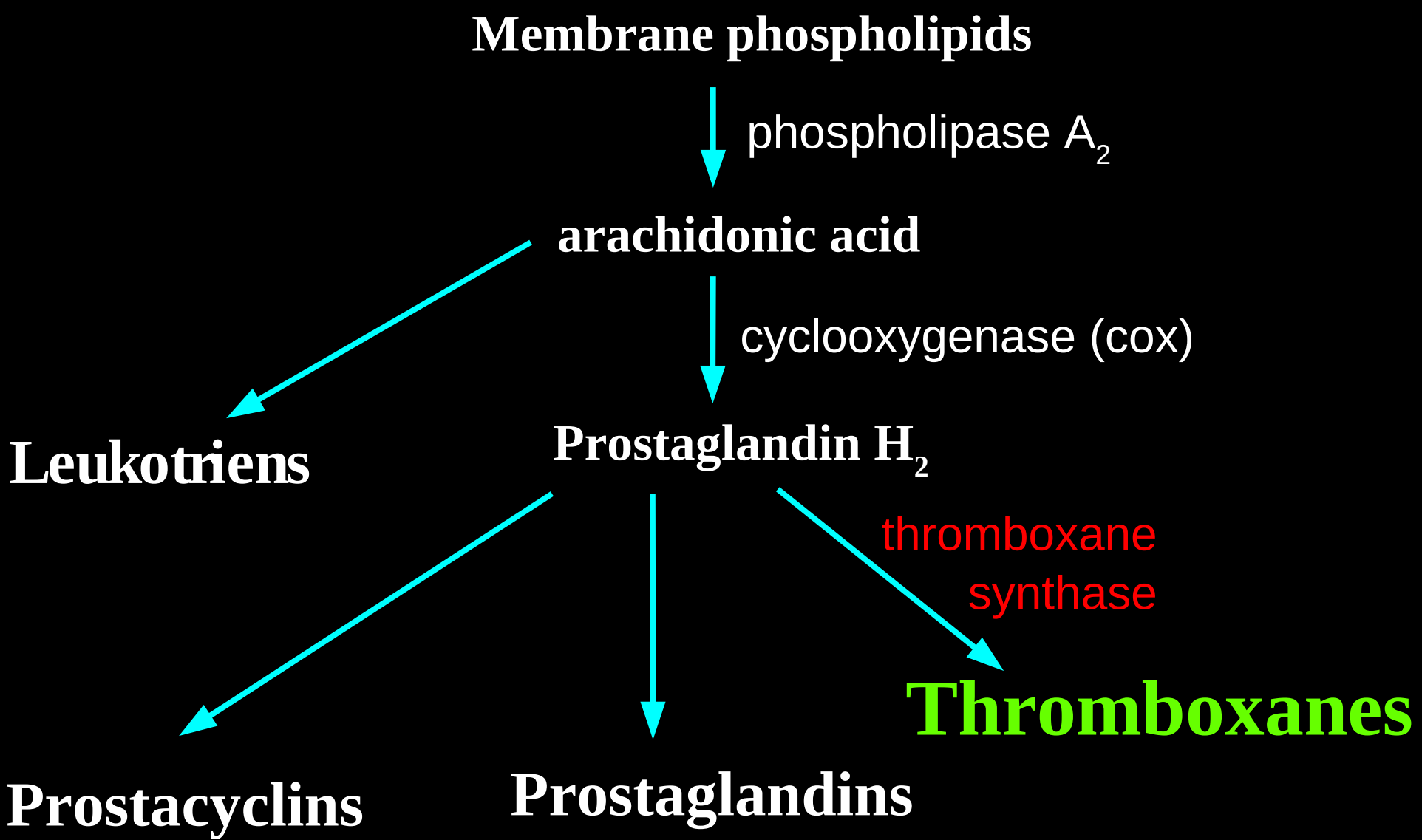
prostaglandin E_2 (PGE_2)



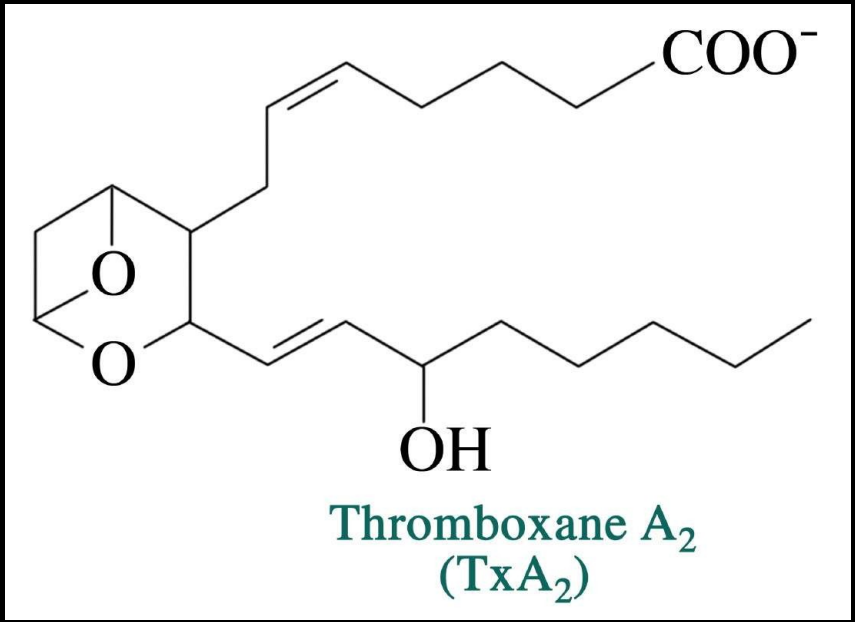
prostaglandin $F_{2\alpha}$ ($PGF_{2\alpha}$)



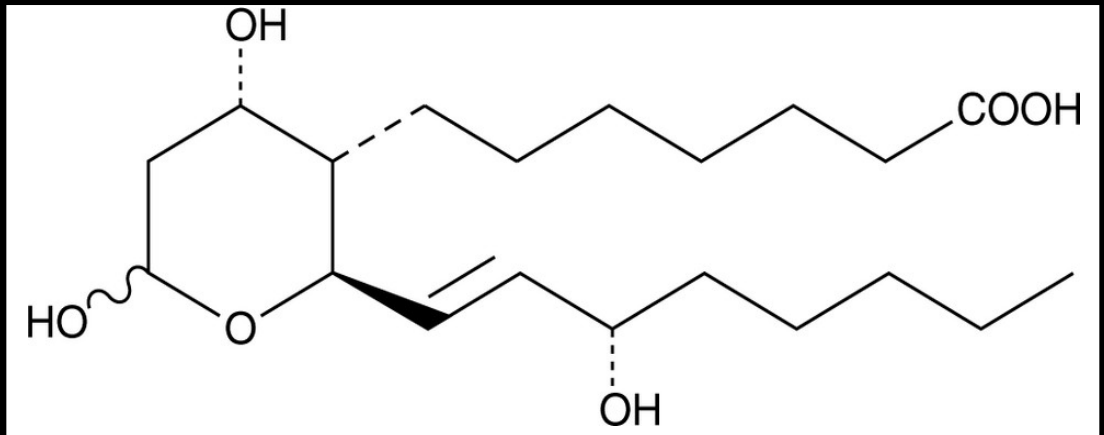
Eicosanoid pathway



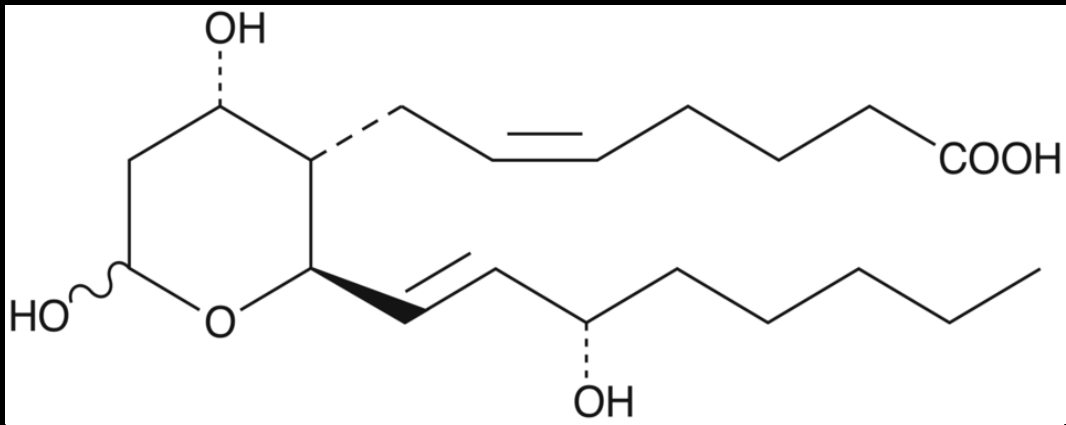
Thromboxanes



Thromboxane A_2
(TxA_2)

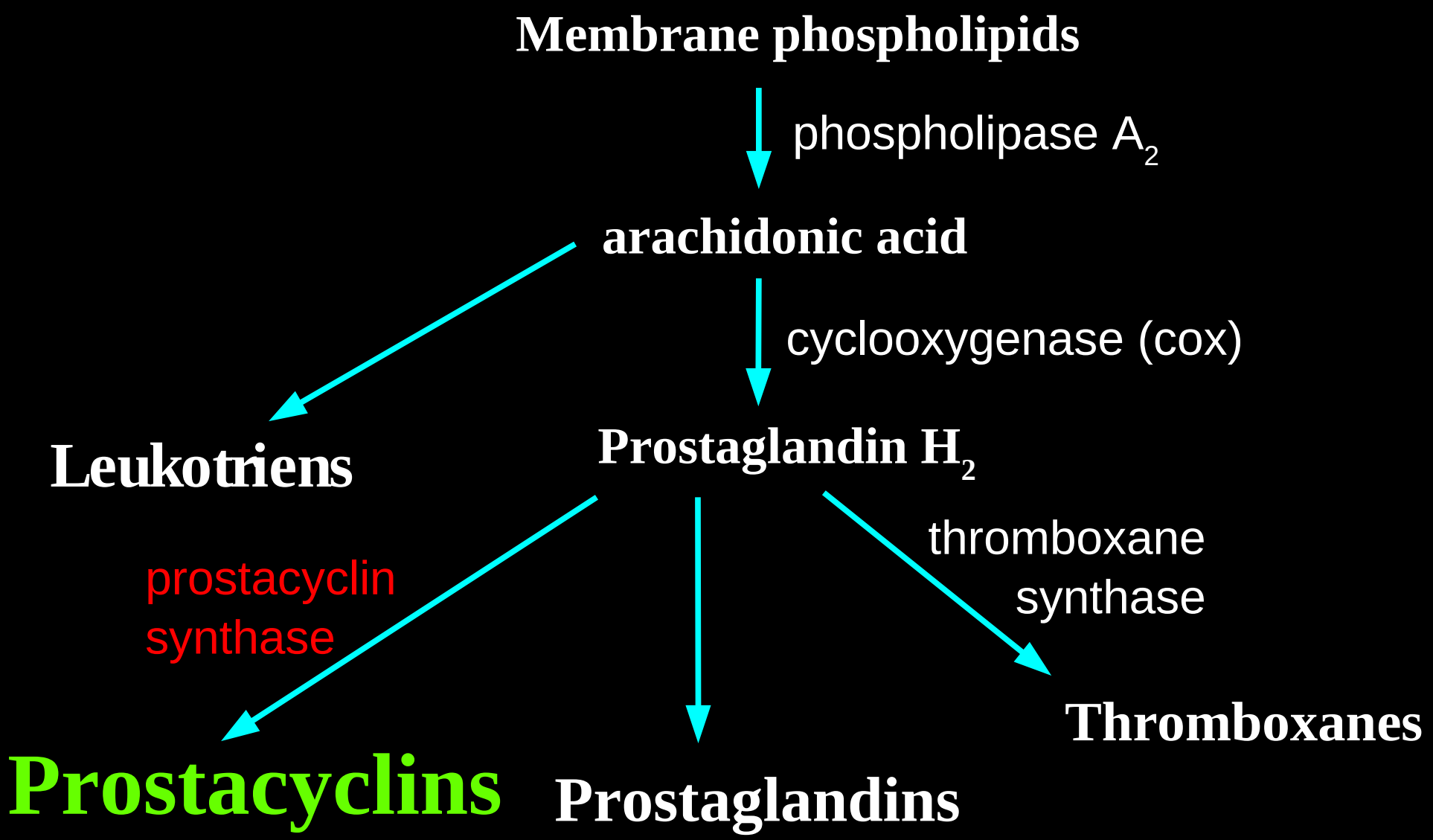


Thromboxane B_1

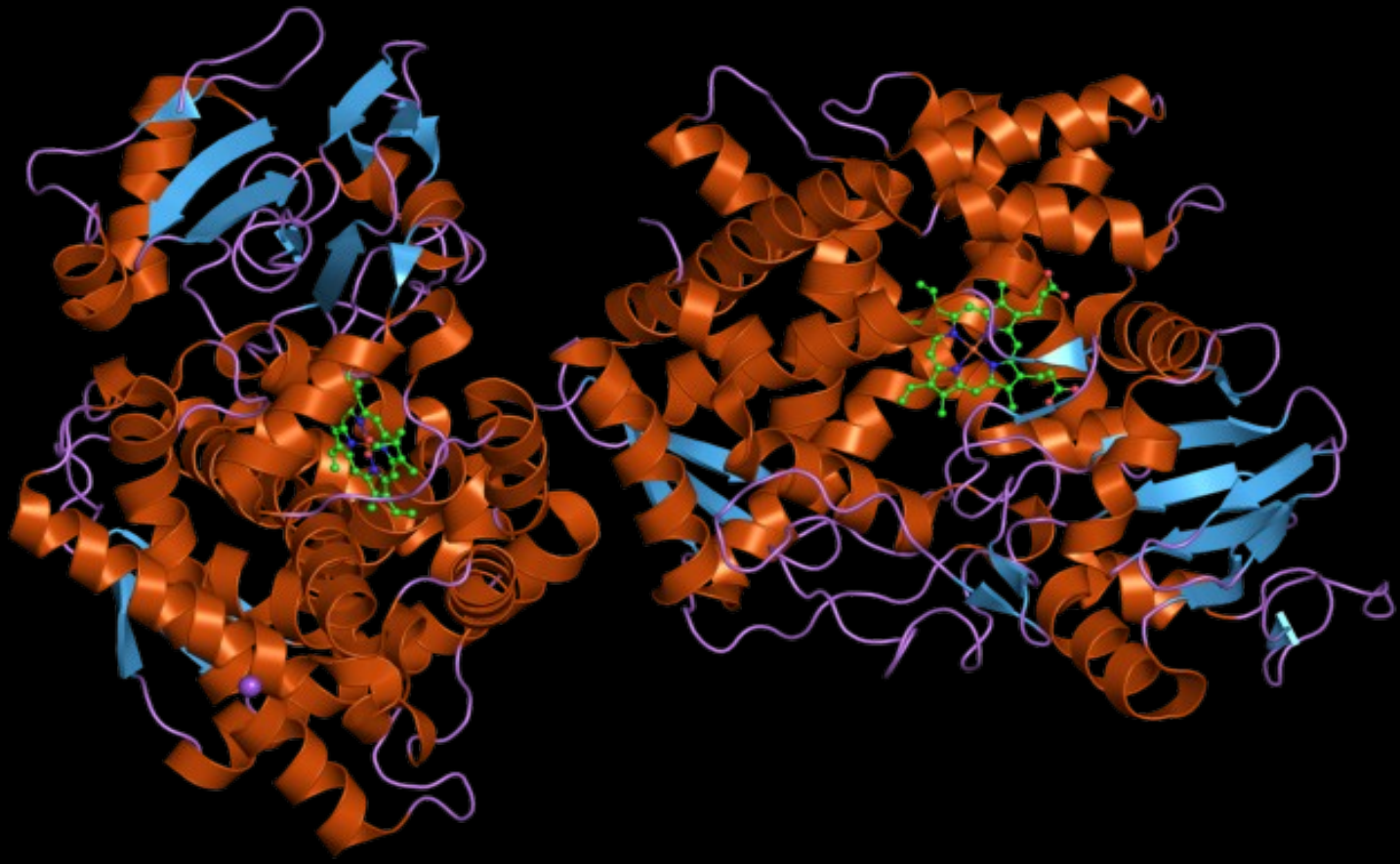


Thromboxane B_2

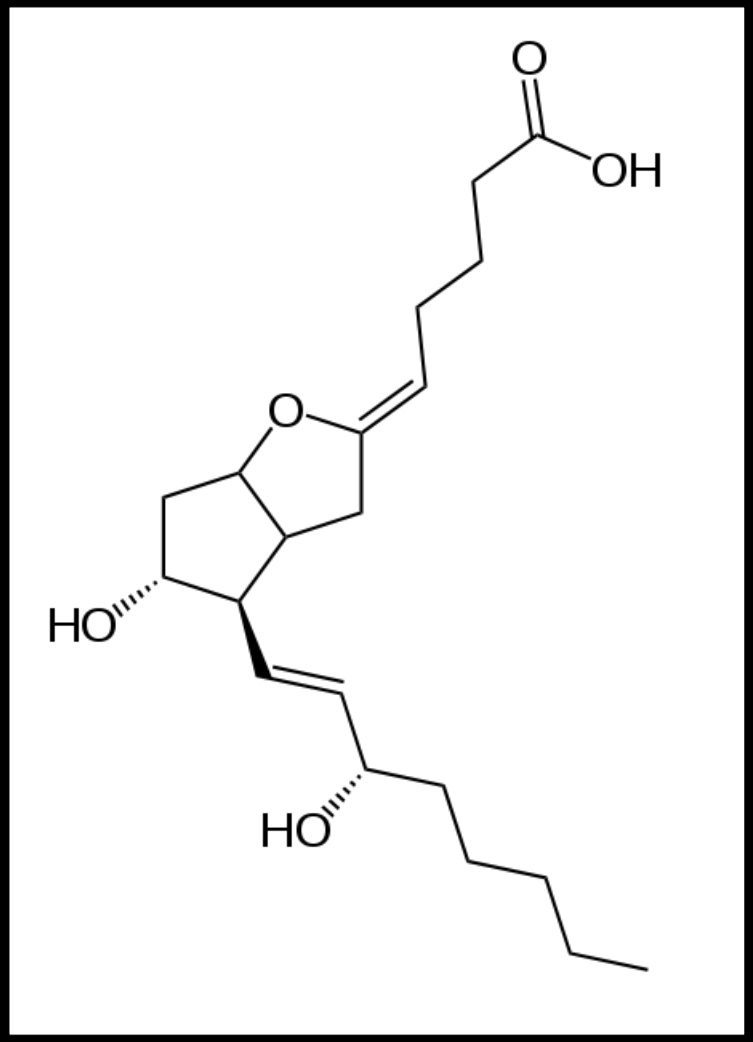
Eicosanoid pathway

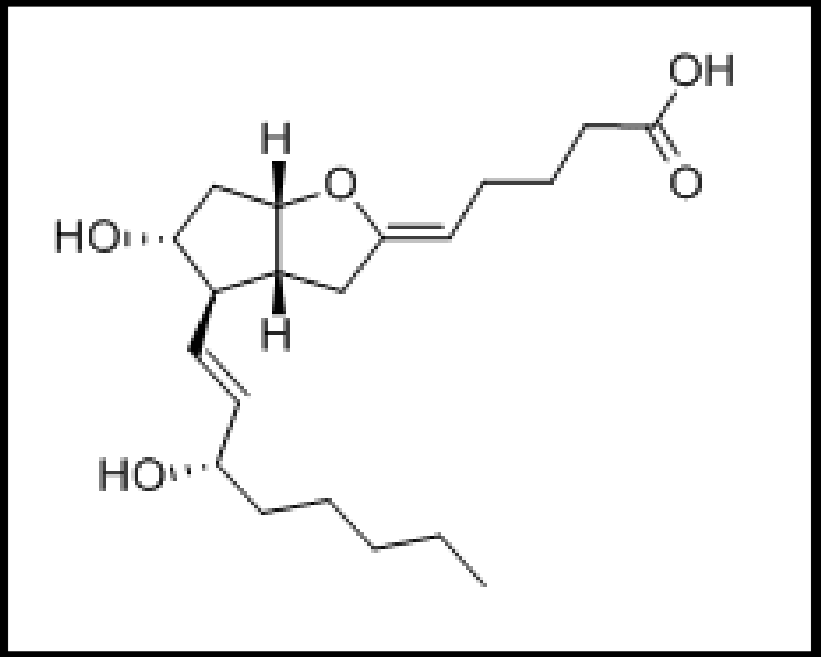


Prostacyclin synthase

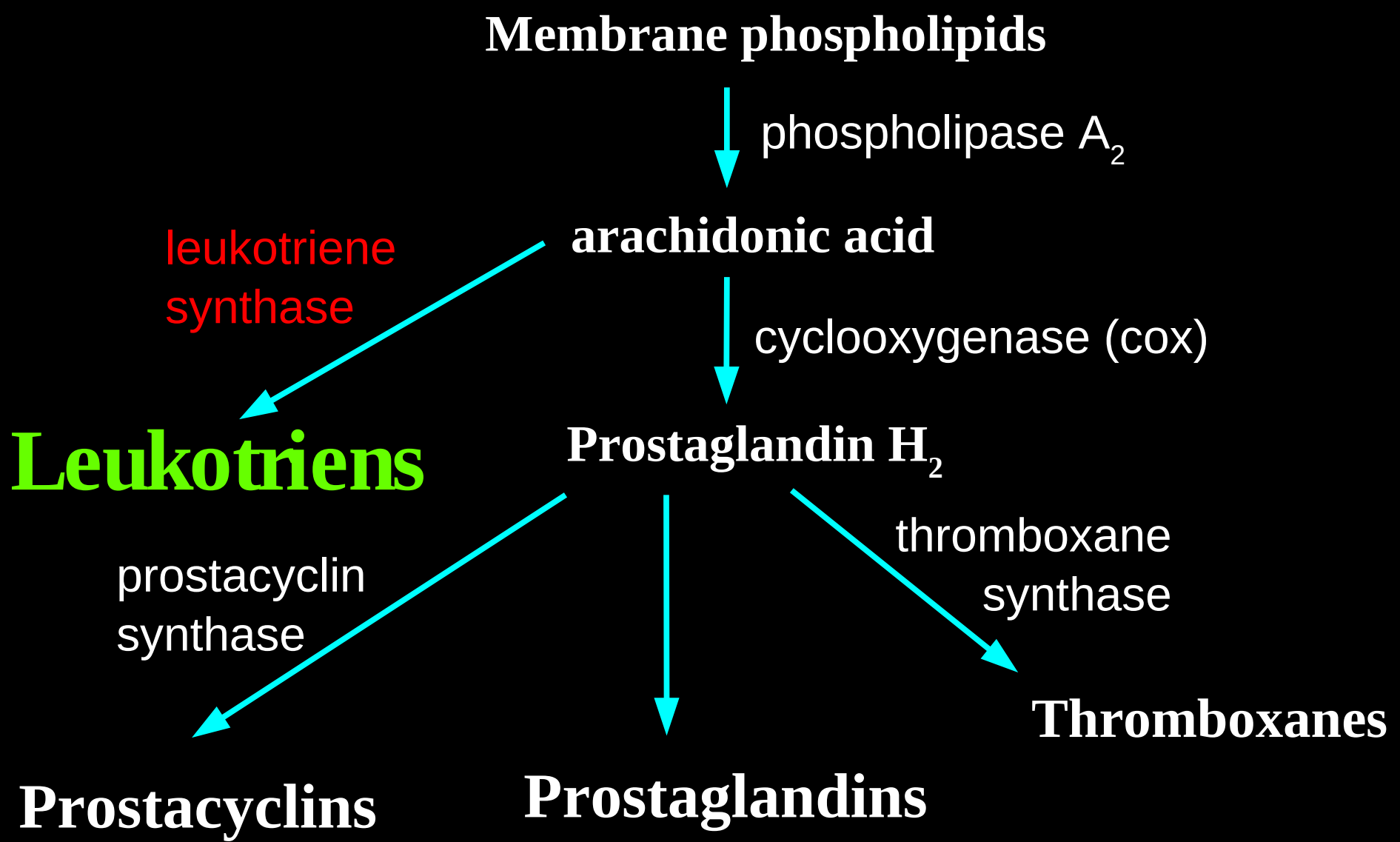


Prostacyclins

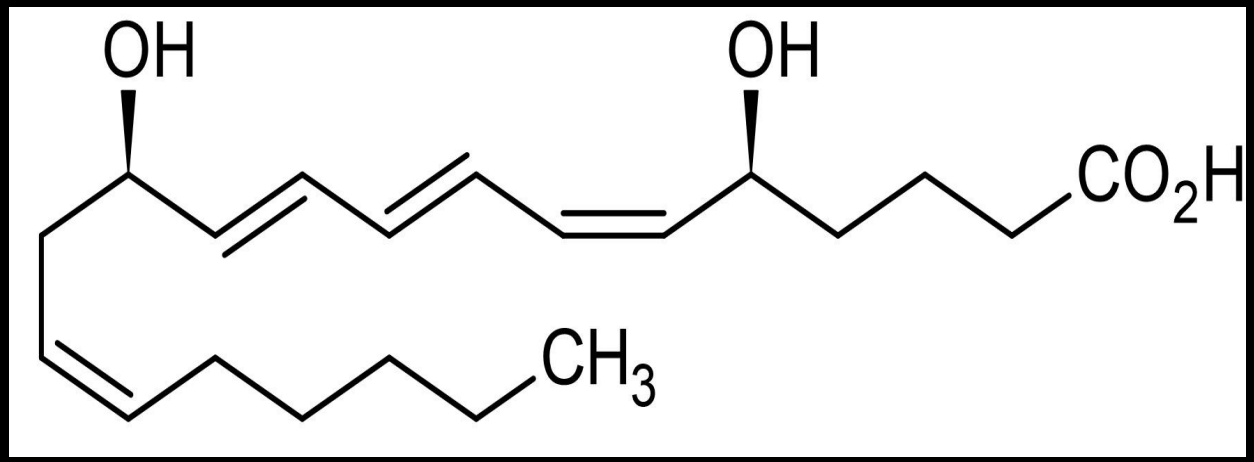




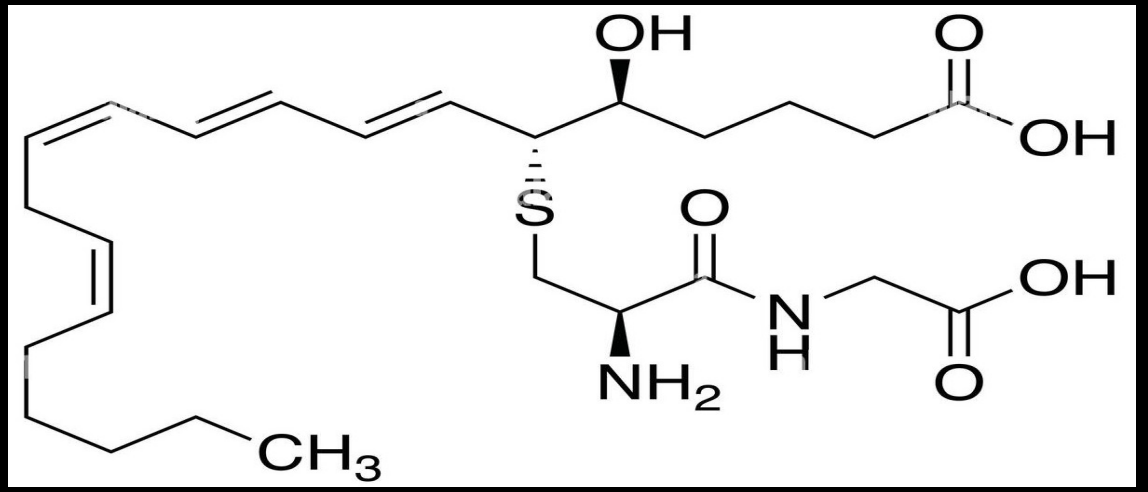
Eicosanoid pathway



Leukotrienes



leukotriene B_4



leukotriene D_4

Eicosanoid pathway

