

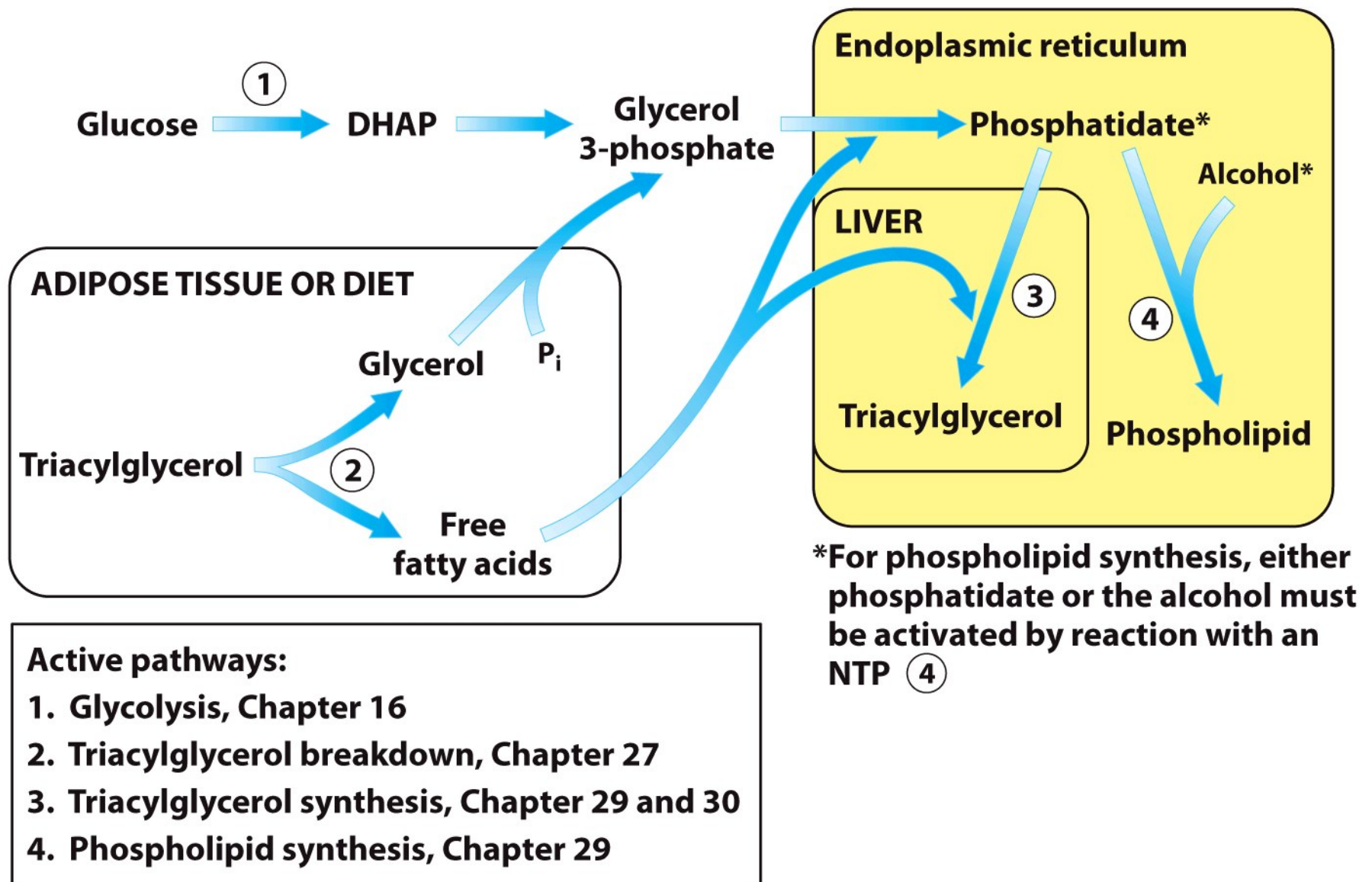
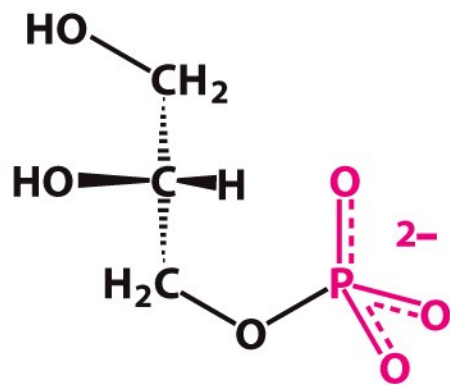


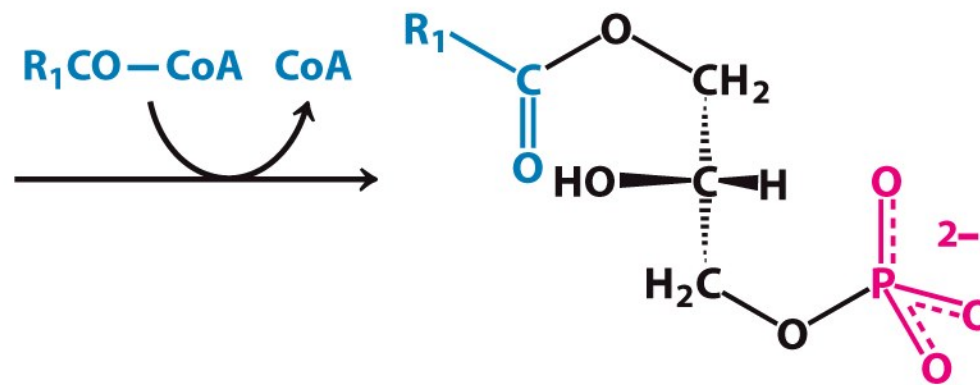
Figure 29.1

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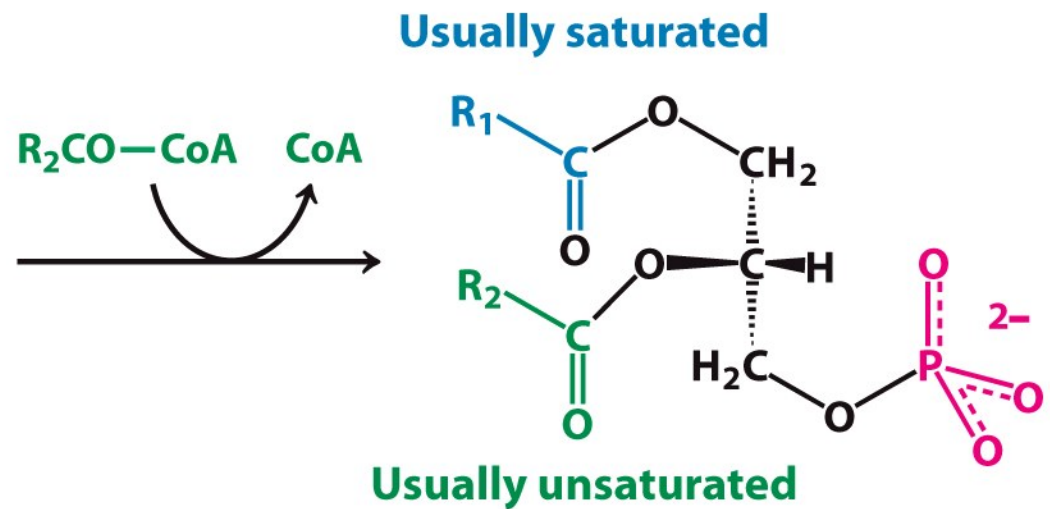
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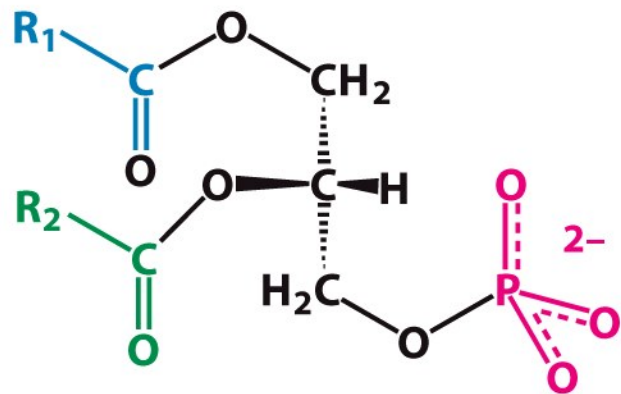
Glycerol 3-phosphate



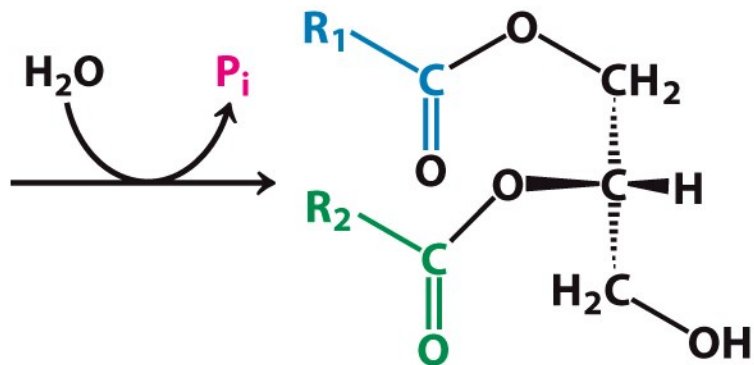
Lysophosphatidate



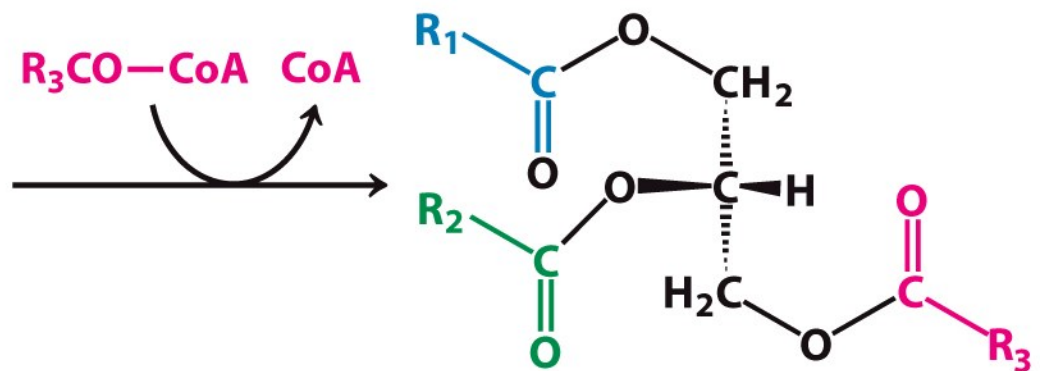
Phosphatidate



Phosphatidate



**Diacylglycerol
(DAG)**



Triacylglycerol

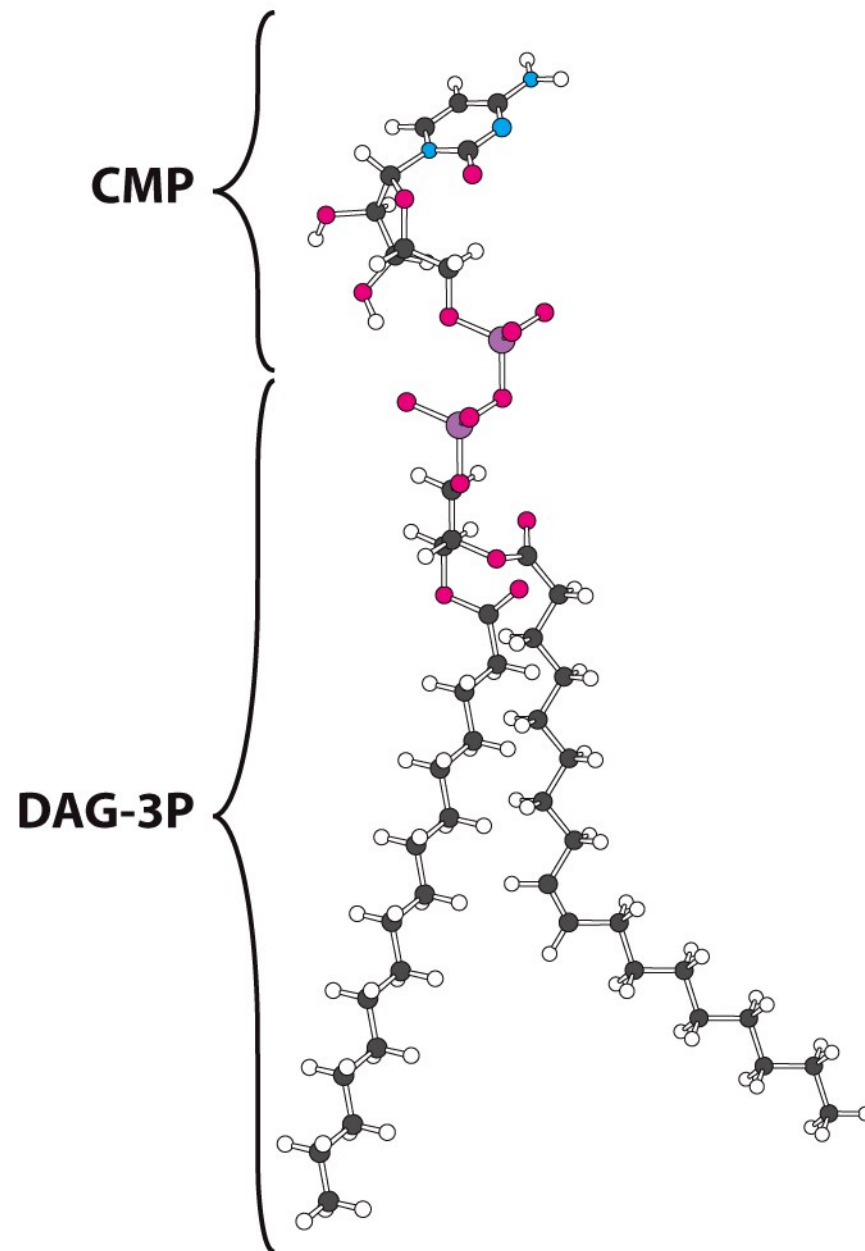
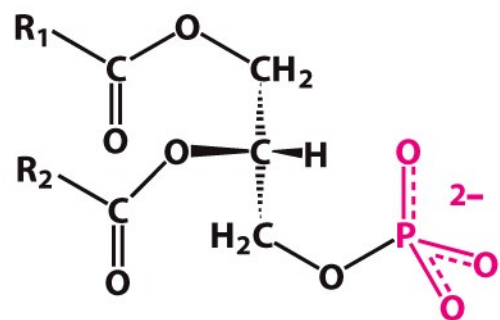
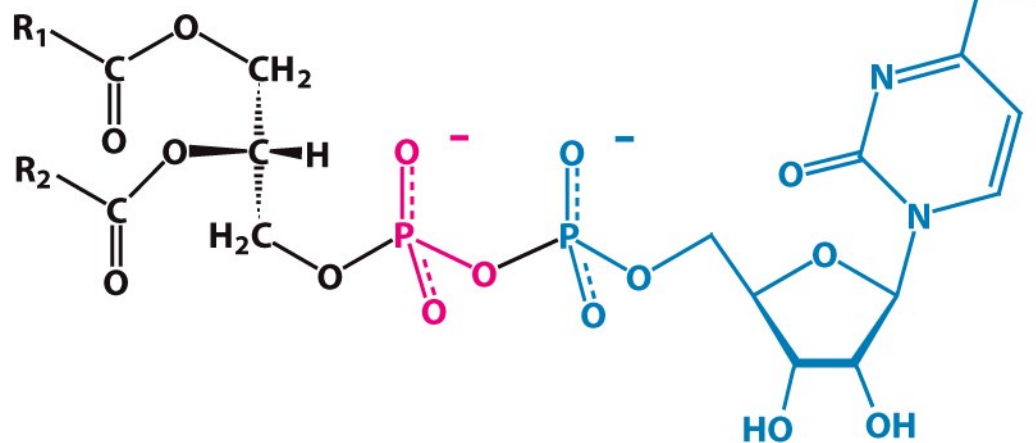
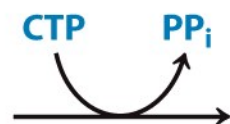


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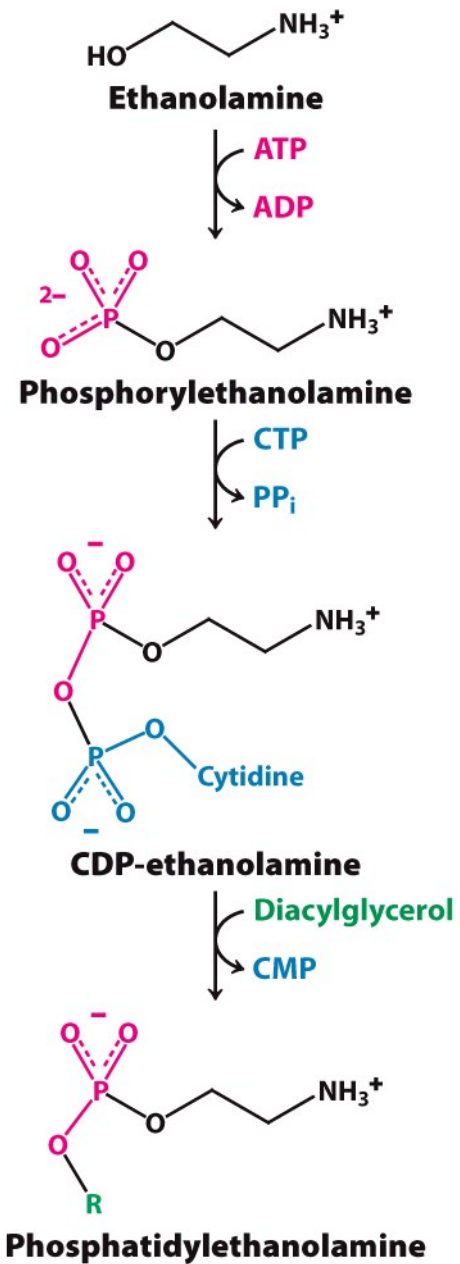


Phosphatidate



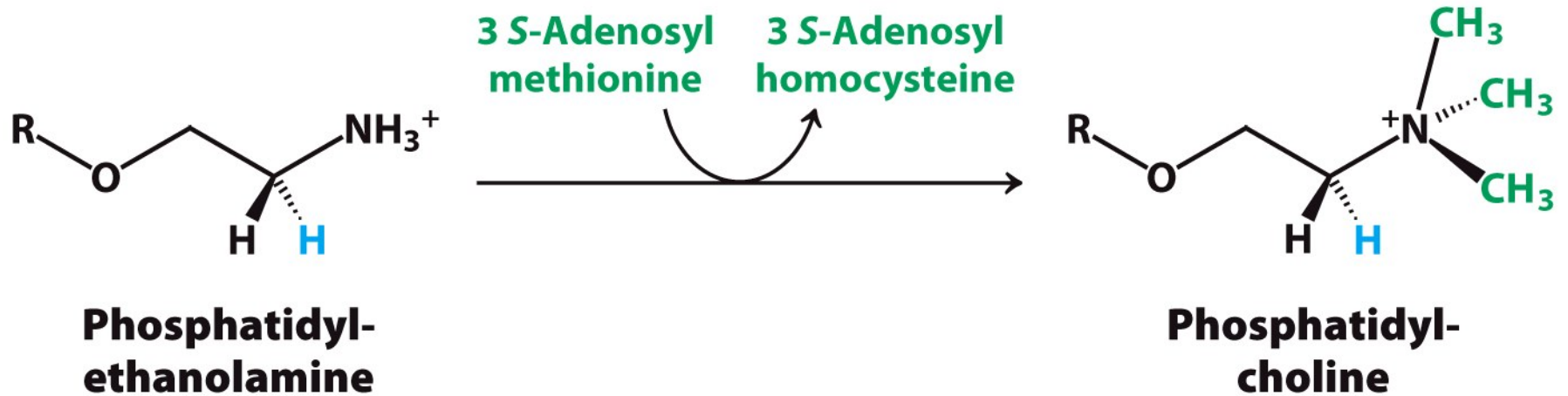
CDP-diacylglycerol

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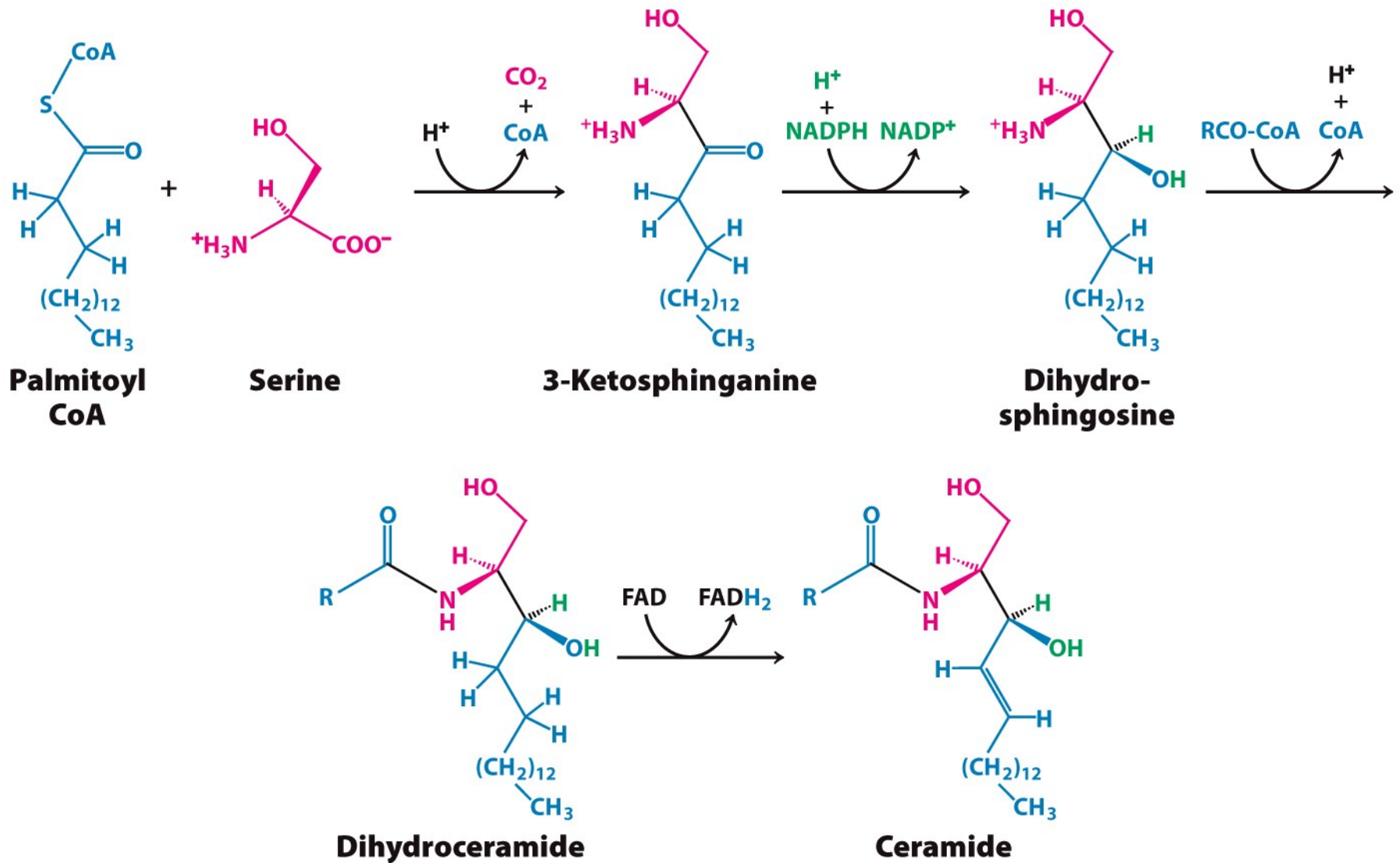


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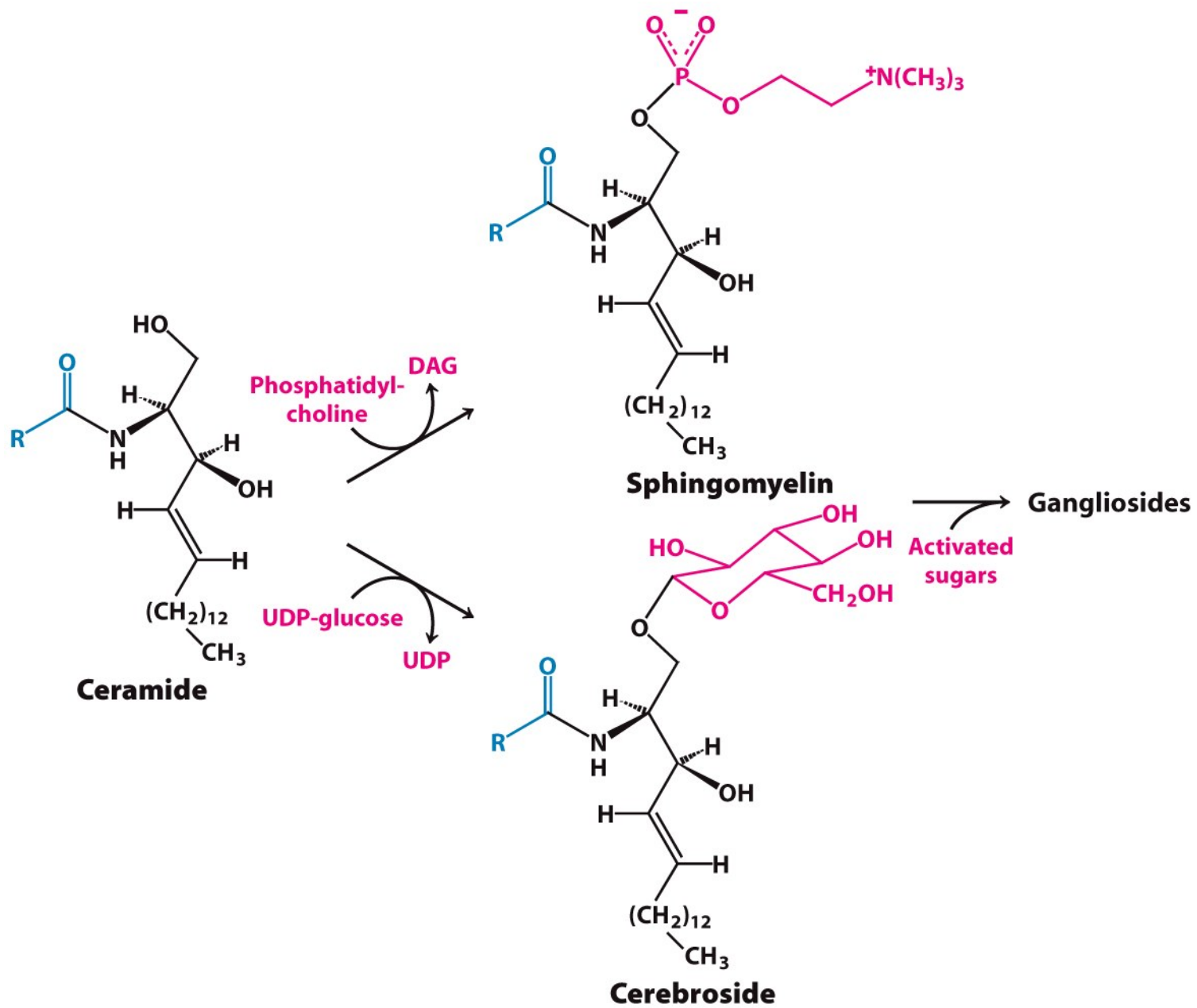


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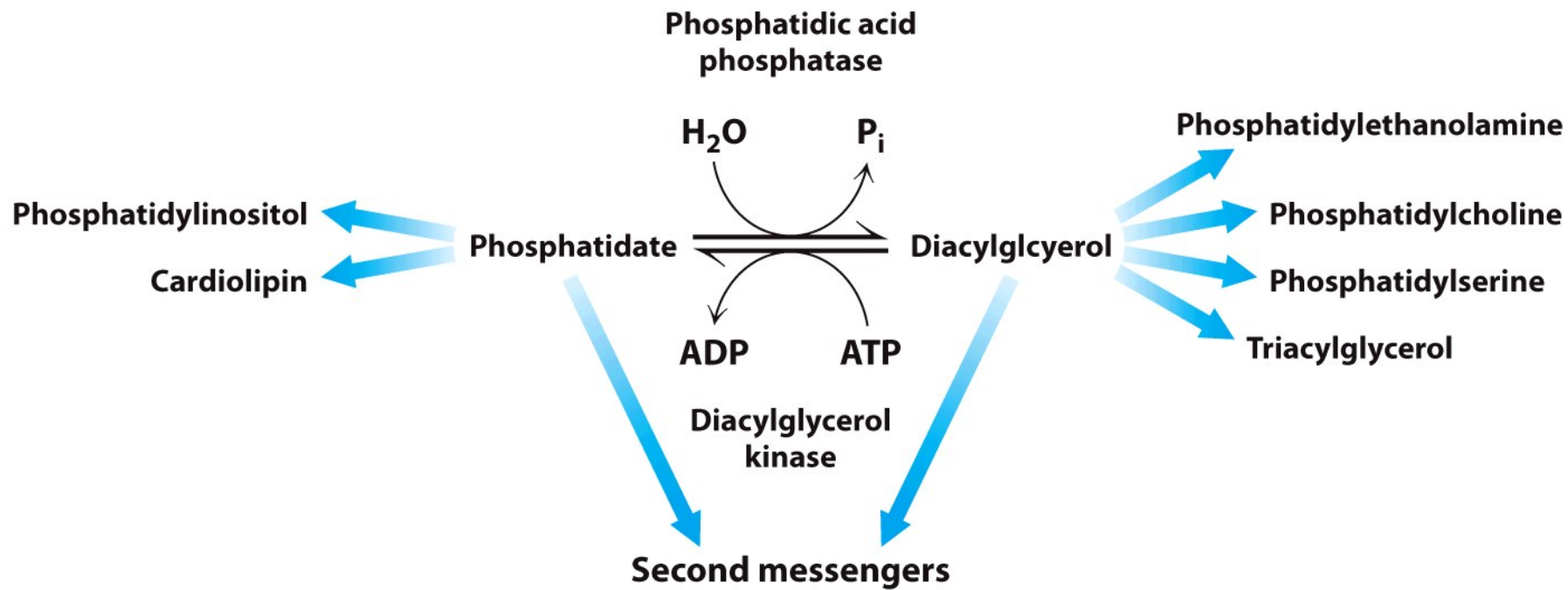
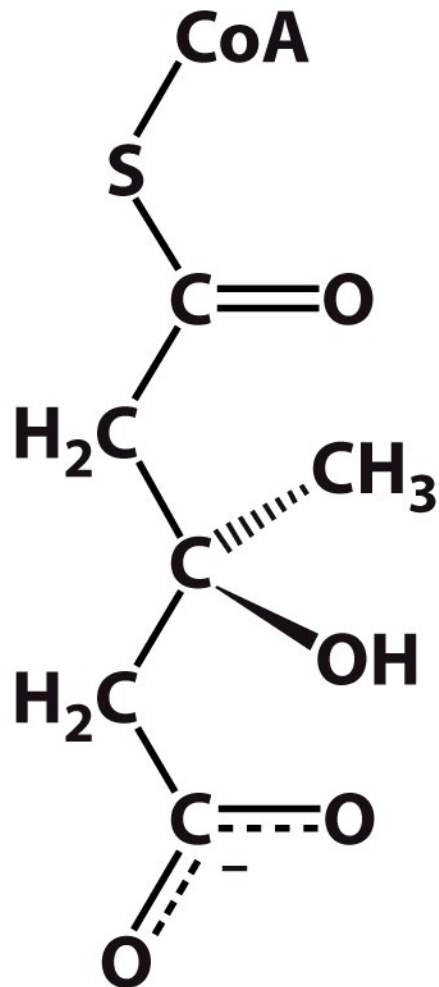
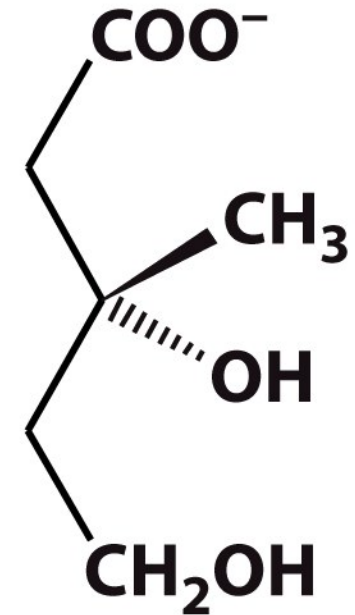
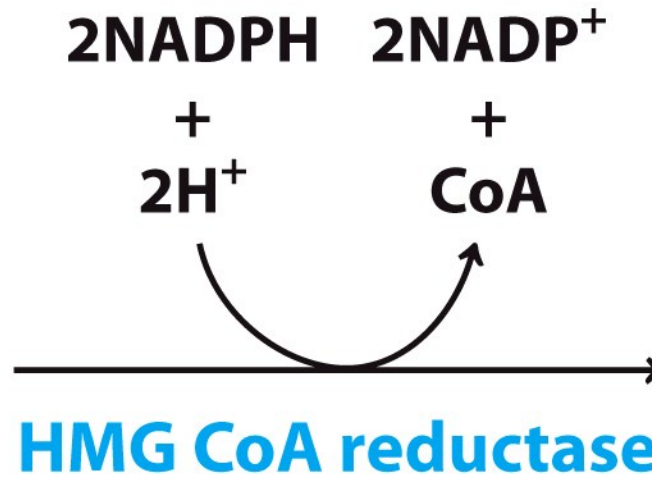


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**3-Hydroxy-3-methyl-
glutaryl CoA**



Mevalonate

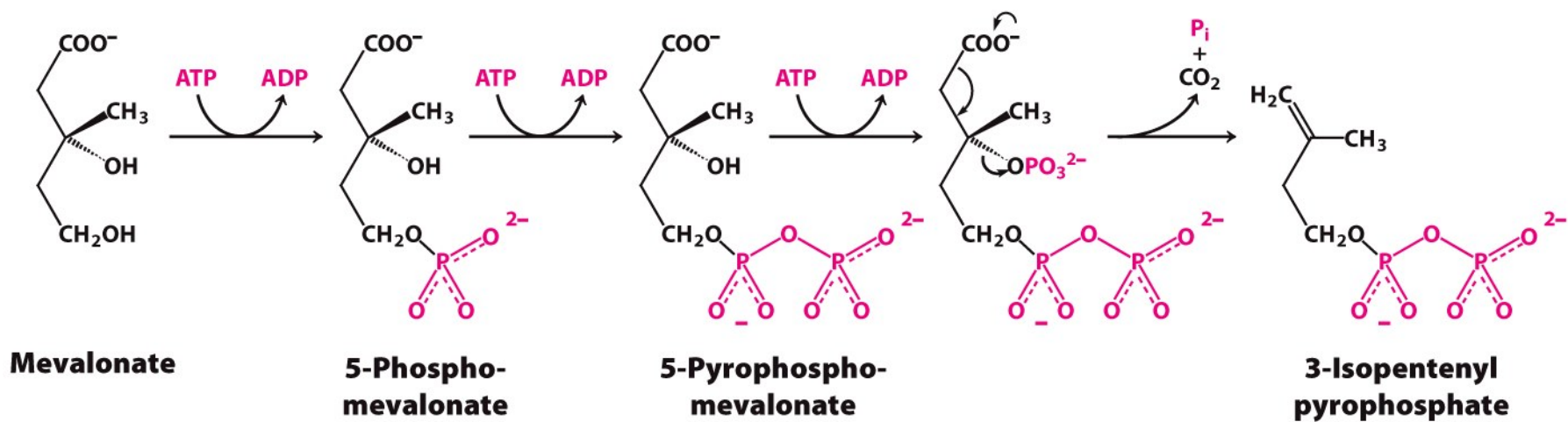
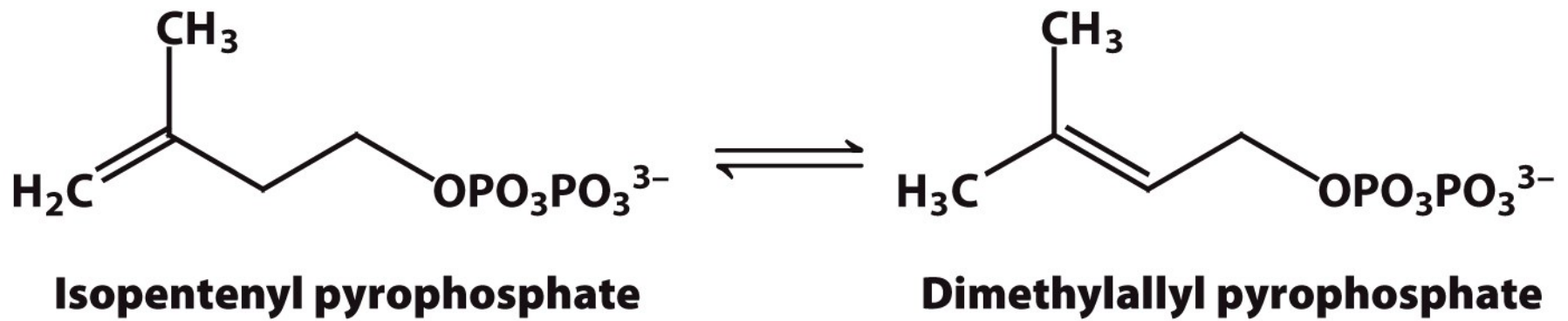


Figure 29.8

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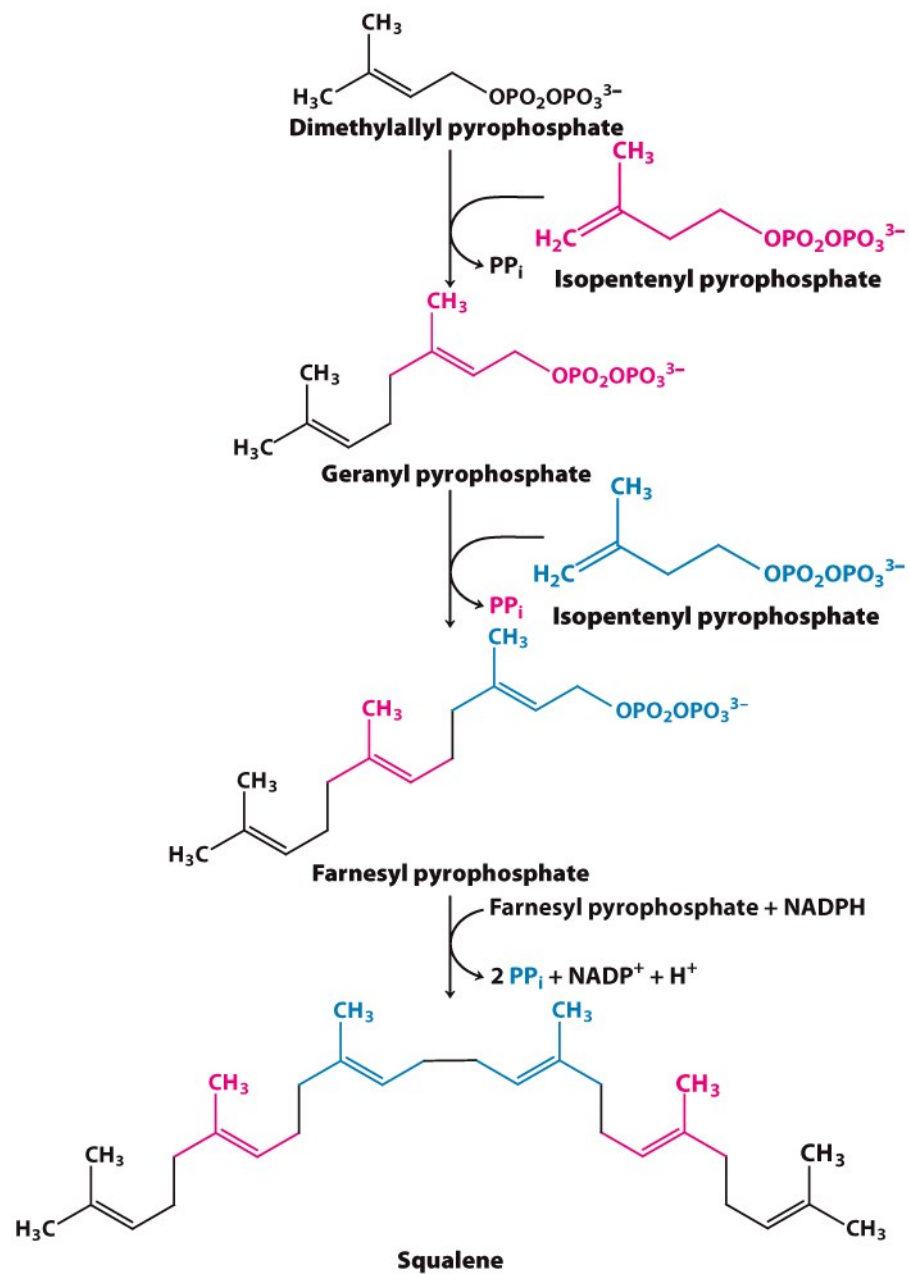


Figure 29.9

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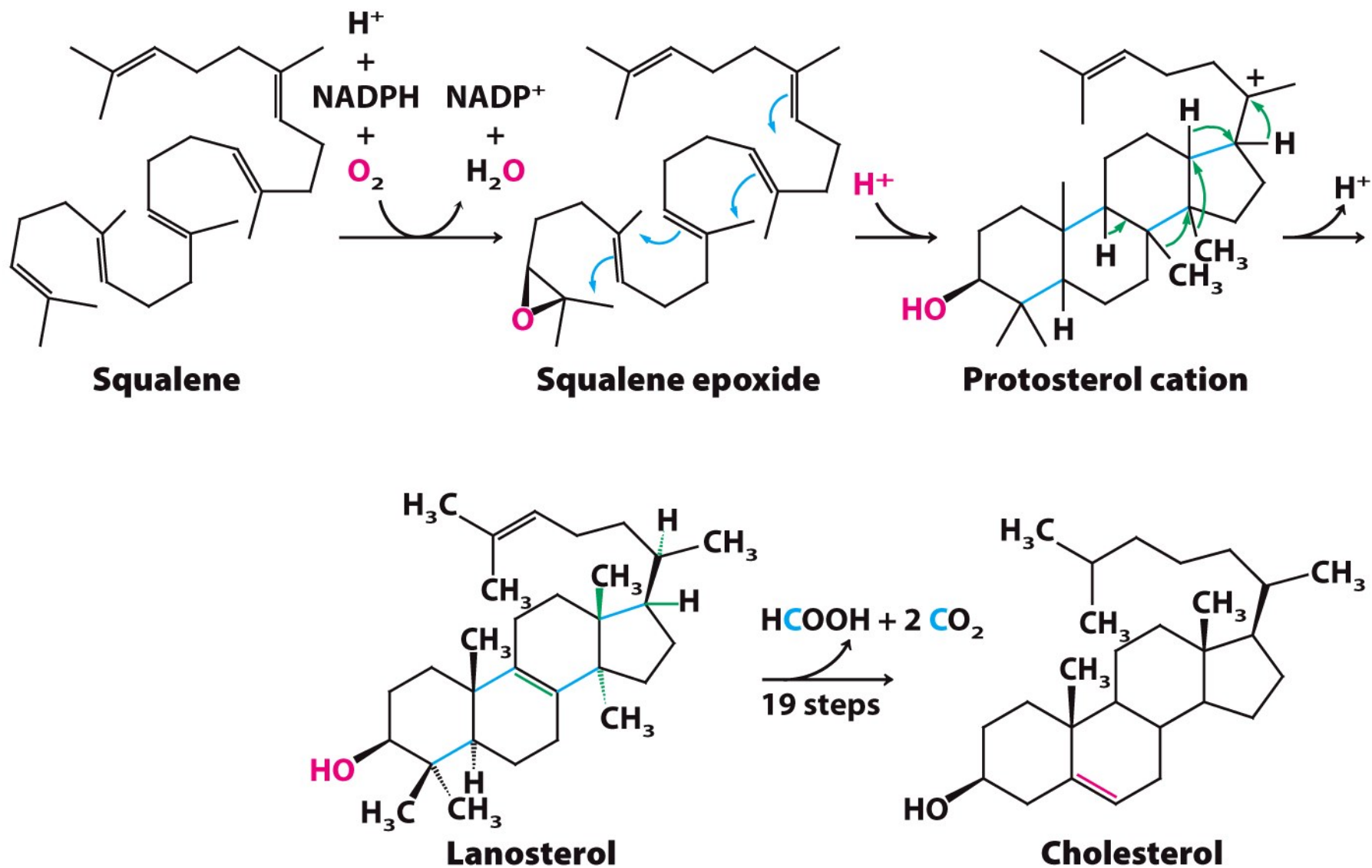


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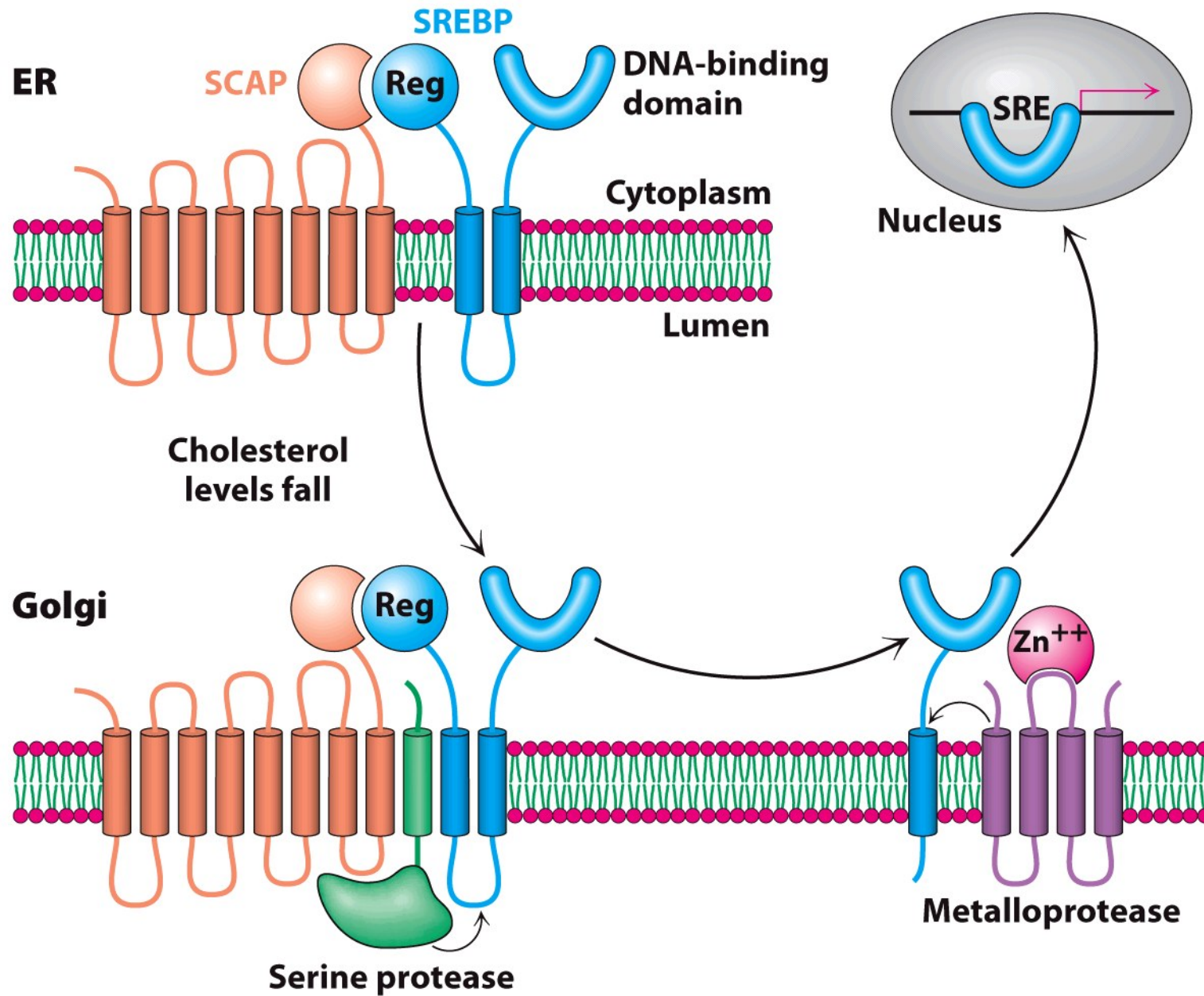


Figure 29.12
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Table 29.1 Properties of plasma lipoproteins

Plasma lipoproteins	Density (g ml ⁻¹)	Diameter (nm)	Apolipoprotein	Physiological role	Composition (%)				
					TAG	CE	C	PL	P
Chylomicron	<0.95	75–1200	B48, C, E	Dietary-fat transport	86	3	1	8	2
Very low density lipoprotein (VLDL)	0.95–1.006	30–80	B100, C, E	Endogenous-fat transport	52	14	7	18	8
Intermediate-density lipoprotein (IDL)	1.006–1.019	15–35	B100, E	LDL precursor	38	30	8	23	11
Low-density lipoprotein (LDL)	1.019–1.063	18–25	B100	Cholesterol transport	10	38	8	22	21
High-density lipoprotein (HDL)	1.063–1.21	7.5–20	A	Reverse cholesterol transport	5–10	14–21	3–7	19–29	33–57

Abbreviations: TAG, triacylglycerol; CE, cholesterol ester; C, free cholesterol; PL, phospholipid; P, protein.

Table 29.1

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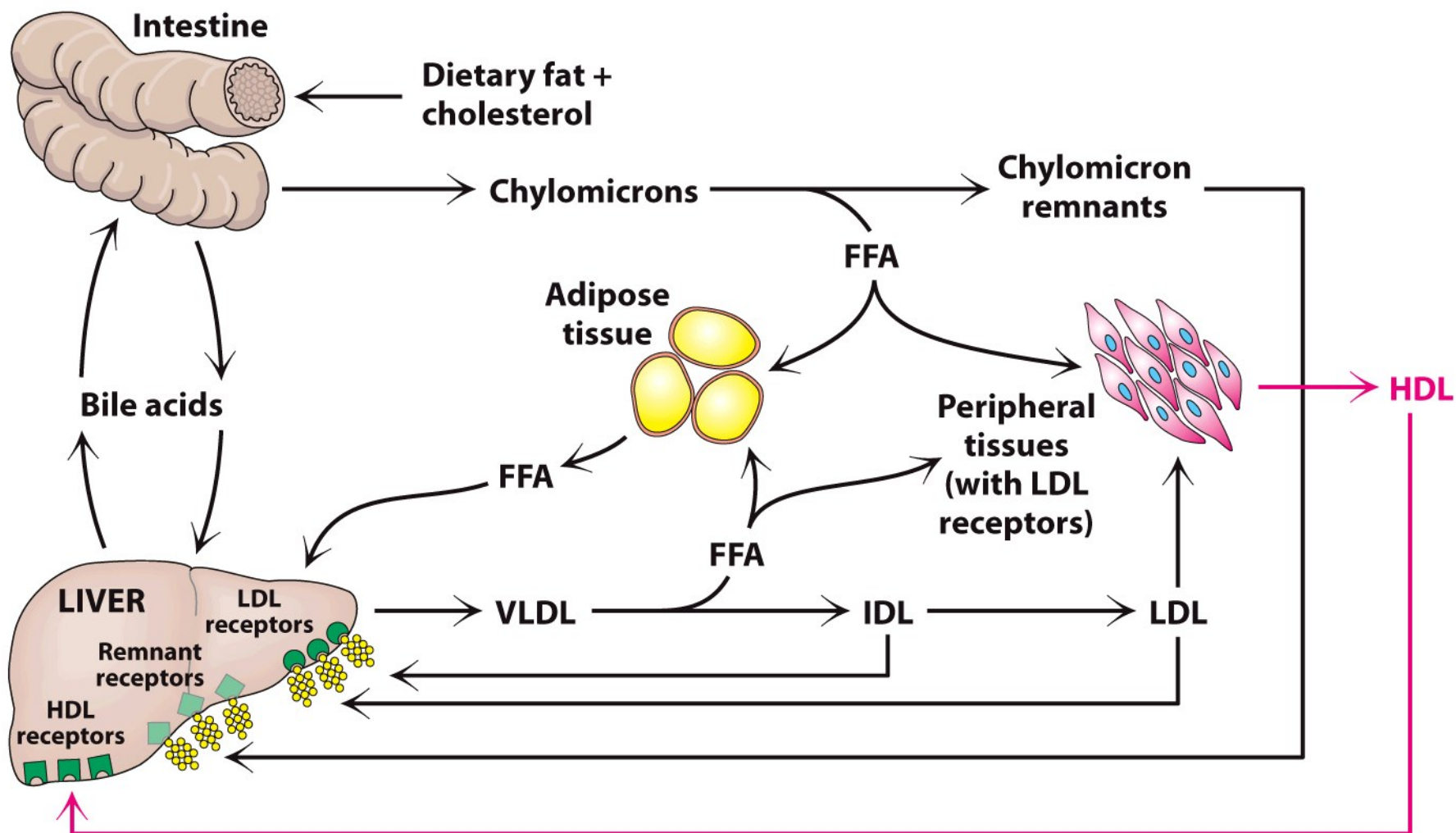


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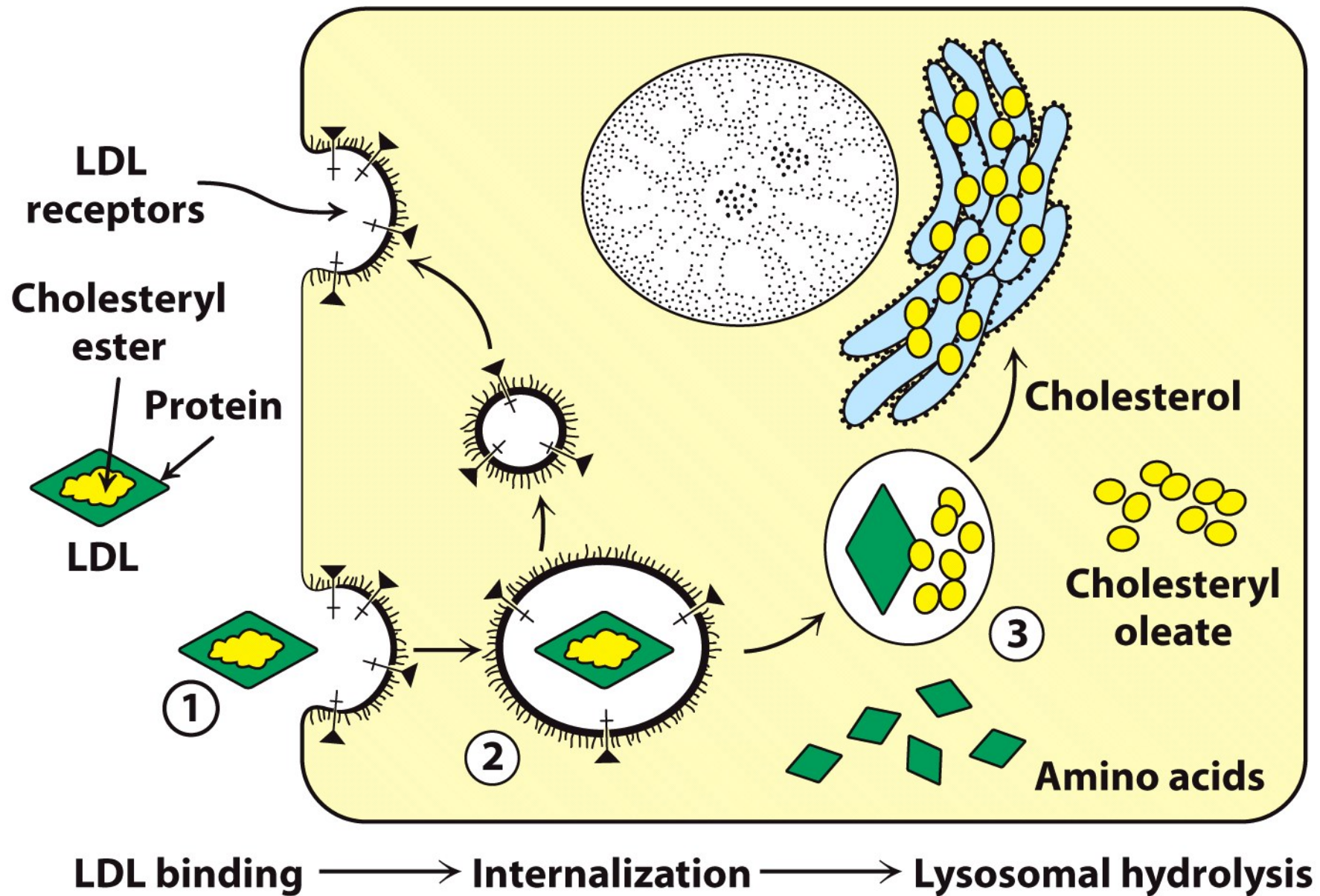


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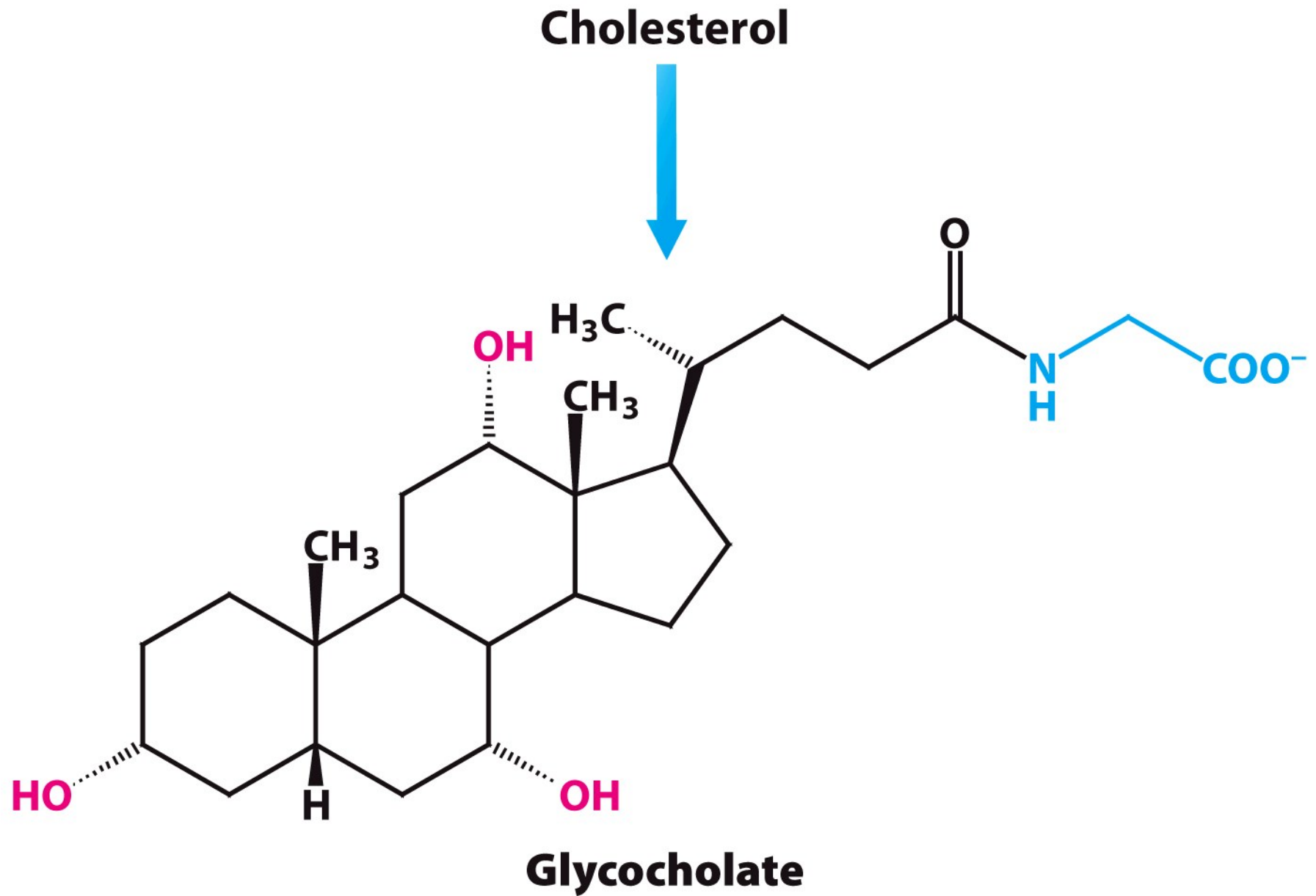


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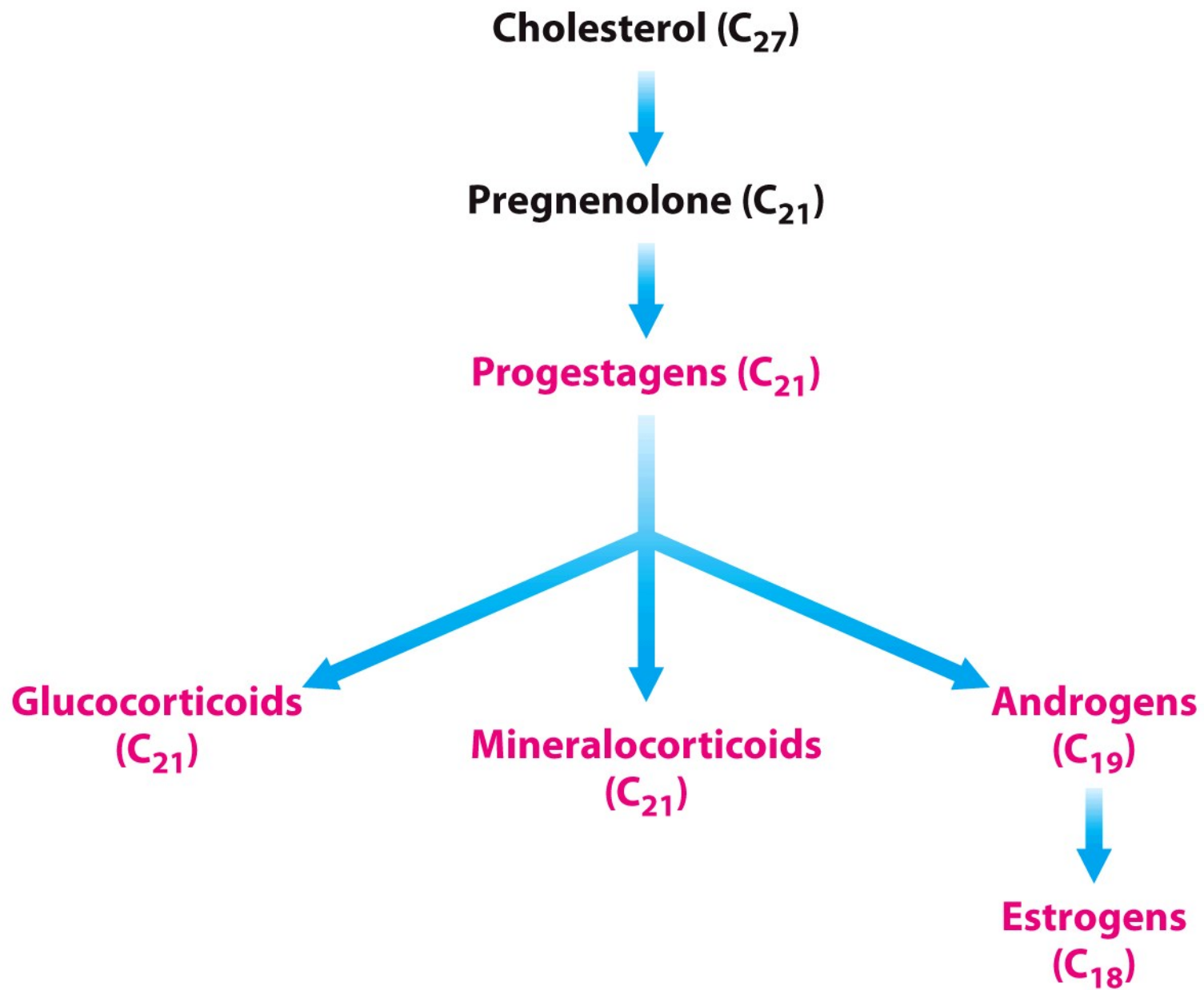


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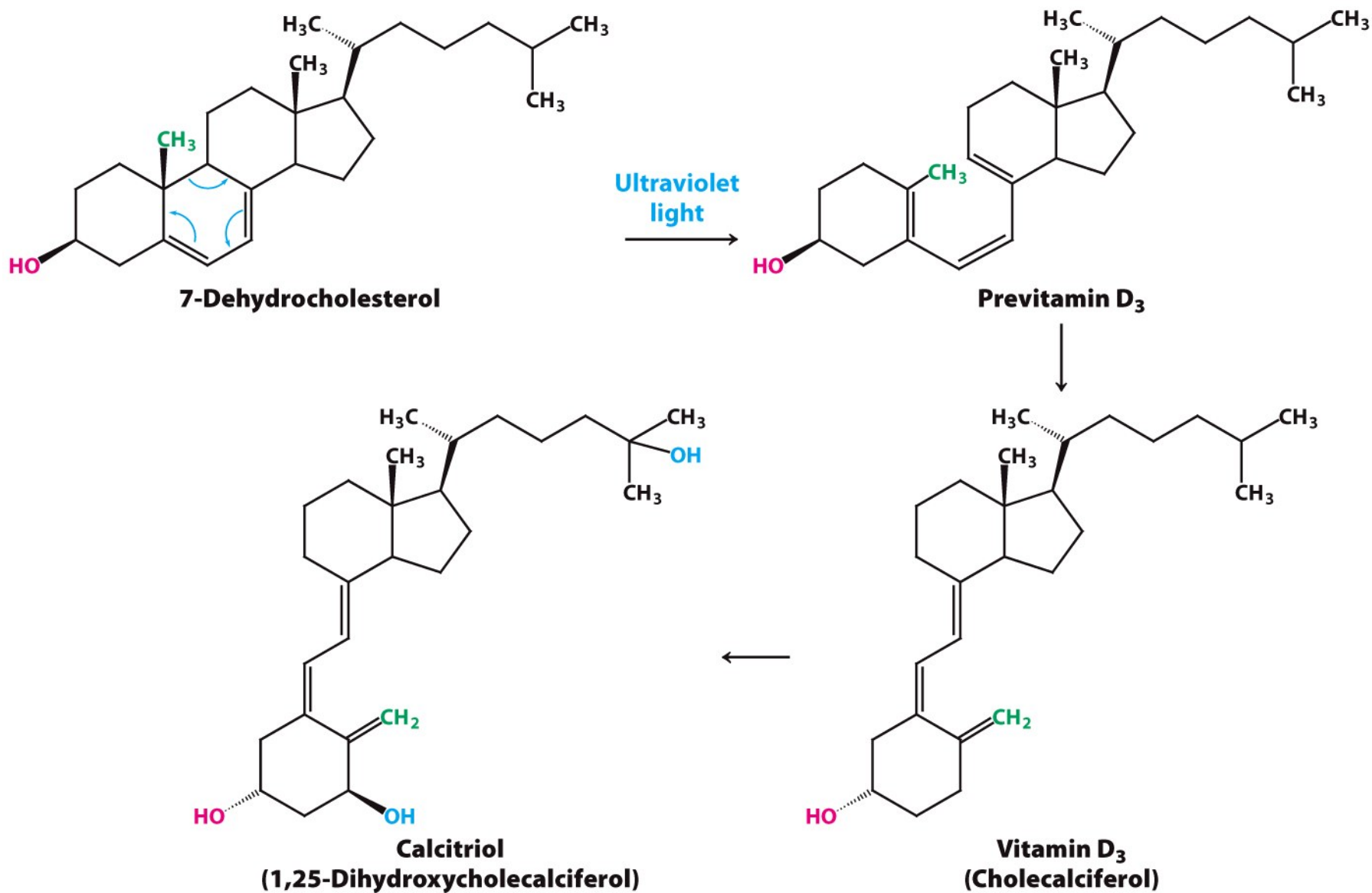


Figure 29.21
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