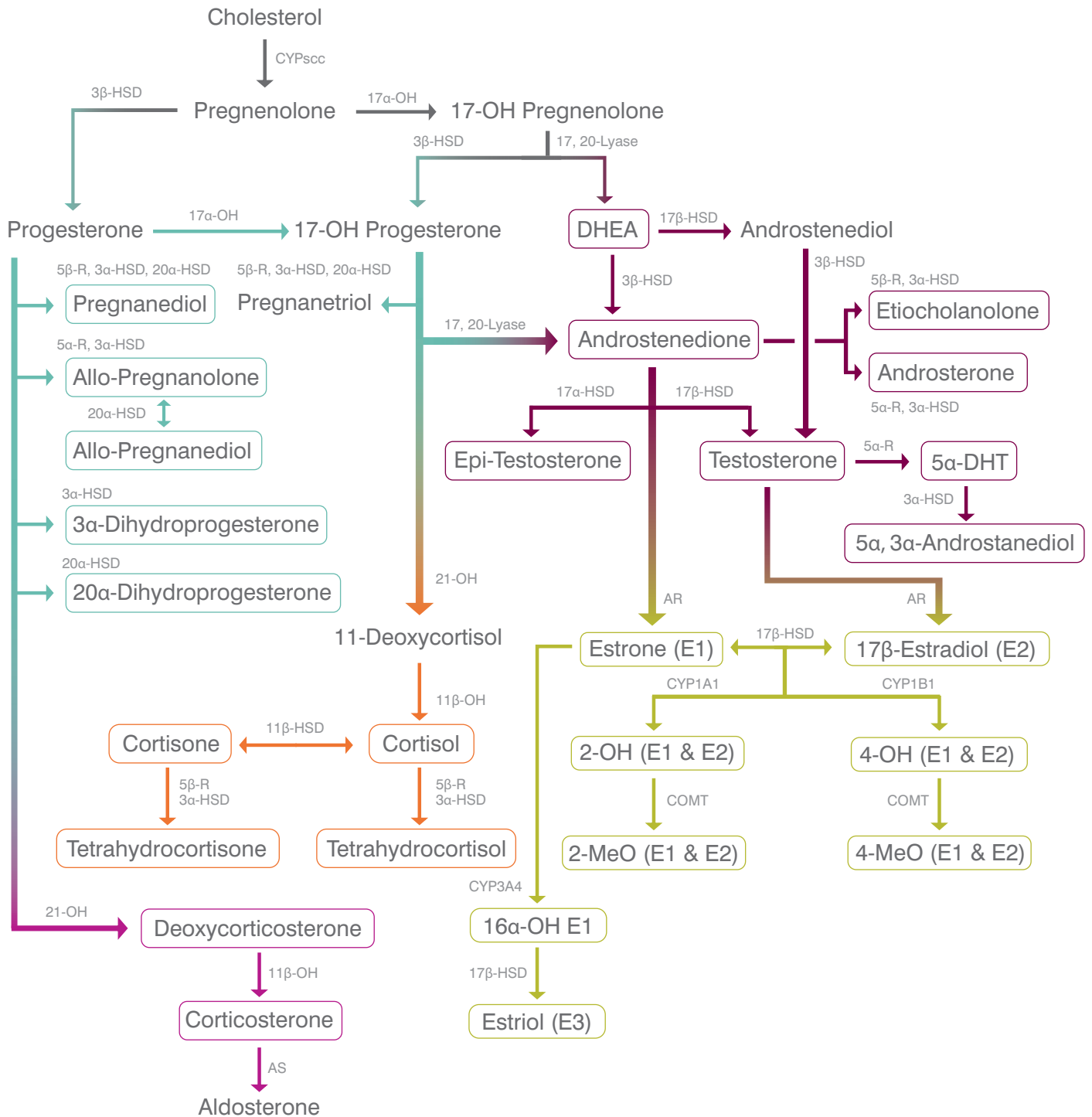


The Steroid Hormone Cascade

Boxed metabolites are reported by ZRT.



Enzyme Abbreviations

- | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> ● Androgens ● Estrogens ● Glucocorticoids ● Mineralocorticoids ● Progestogens | <p>(5α-R) 5α-Reductase
 (5β-R) 5β-Reductase
 (11β-OH) 11β-Hydroxylase
 (17α-OH) 17α-Hydroxylase
 17,20-Lyase (same enzyme as 17α-OH)
 (21-OH) 21-Hydroxylase
 (3α-HSD) 3α-Hydroxysteroid dehydrogenase
 (3β-HSD) 3β-Hydroxysteroid dehydrogenase</p> | <p>(11β-HSD) 11β-Hydroxysteroid dehydrogenase
 (17α-HSD) 17α-Hydroxysteroid dehydrogenase
 (17β-HSD) 17β-Hydroxysteroid dehydrogenase
 (20α-HSD) 20α-Hydroxysteroid dehydrogenase
 (AR) Aromatase
 (AS) Aldosterone Synthase
 (CYP) Cytochrome p450 (scc, 1A1, 1B1 & 3A4)
 (COMT) Catechol-O-Methyl-Transferase</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|