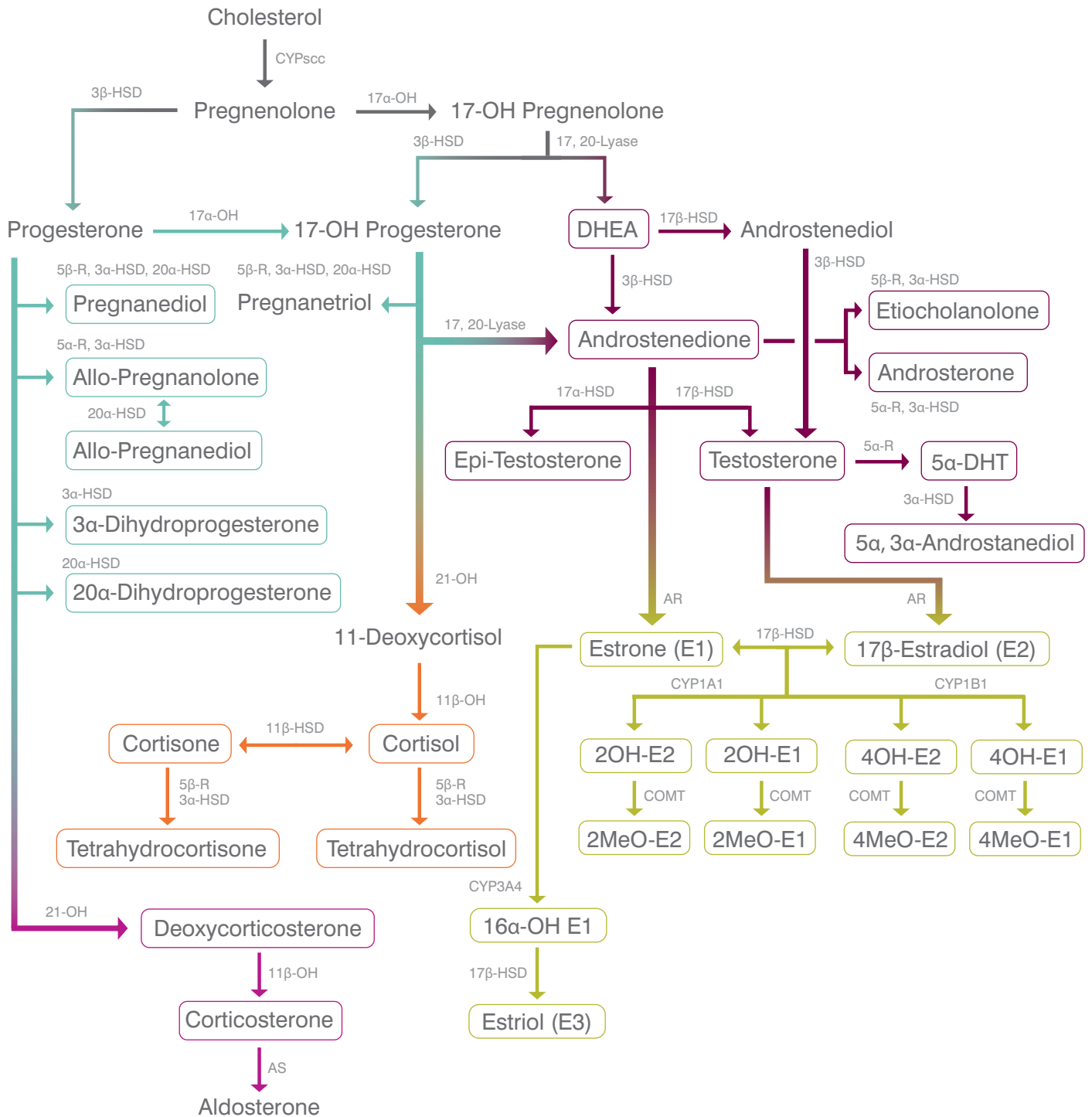


# The Steroid Hormone Cascade

Boxed metabolites are reported by ZRT.



## Enzyme Abbreviations

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