|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Hypothalamic** | **Pituitary** | **Conventional**  **Endocrine Systems** | **Others** |
| **cAMP** | CRH  GHRH | FSH  LH  ACTH  TSH  MSH  ADH (V2) | PTH  Calcitonin  Glucagon | hCG |
| **cGMP** |  |  | ANP  BNP | EDRF |
| **IP3** | GnRH  TRH | Oxytocin  ADH (V1) | Angiotensin II | Histamine (H1)  Gastrin |
| **Intracellular**  **Receptor** |  |  | Progesterone  Estrogen  Testosterone  Cortisol  Aldosterone  T3/T4  Vitamin D |  |
| **Receptor**  **Tyrosine Kinase** |  |  | Insulin | IGF-1  FGF  PDGF  EGF |
| **Nonreceptor**  **Tyrosine Kinase** |  | Prolactin  hGH |  | Cytokines  (IL-2, IL-6, IFN)  G-CSF  ePO  tPO |