



Figure 2-34. Phosphoinositide second-messenger system.

- 1 = hormone-receptor binding
- 2 = activation of G_s
- 3 = G_s binds GTP
- 4 = activation of phospholipase C (PC)
- 5 = hydrolysis of PIP_2
- 6 = generation of IP_3
- 7 = release of microsomal (endoplasmic reticulum) stores of calcium
- 8 = stimulation of guanylate cyclase (GC)
- 9 = production of cGMP
- 10 = activation of protein kinases of the G-type
- 11 = cleavage of DG from PIP_2
- 12 = activation of protein kinase C