Representative signal pathways of CCC.AC adenylate cyclase, cAMP cyclic adenosine monophosphate, cGMP cyclic guanosine monophosphate, CO carbon monoxide, DAG diacylglycerol, ERK extracellular regulated protein kinases, GC guanylate cyclase, GDP guanosine–5'–diphosphate, GPCR G–protein–coupled receptor, GTP guanosine triphosphate, IP3 inositol trisphosphate, IP3R inositol trisphosphate receptor, MAPK mitogen–activated protein kinase, MEK mitogen–activated extracellular signal–regulated kinase, NO nitric oxide, Pi PIP2 phosphatidylinositol–4,5–bisphosphate, PKA protein kinase A, PKC protein kinase C, PKG protein kinase G, PLC phospholipase C

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