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Inositol 1,4,5-Trisphosphate

National Cancer Institute

Source

National Cancer Institute. *Inositol 1,4,5-Trisphosphate*. NCI Thesaurus. Code C580.

A phosphatidylinositol with phosphate covalently bound in the 4 and 5 positions of the inositol group. Inositol 1,4,5-trisphosphate acts as an intermediate in the IP3/DAG pathway, hydrolyzed by phospholipase C and liberating diacylglycerol and PIP2, which activate Protein Kinase C and calcium release from the endoplasmic reticulum, respectively.