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Phosphoserine

National Cancer Institute

Source

National Cancer Institute. *Phosphoserine*. NCI Thesaurus. Code C118883.

A derivative of the amino acid serine where the side chain hydroxyl group has been substituted with a phosphono group. Post-translational phosphorylation of serine residues in proteins or peptides can regulate the progression of multiple intracellular signal transduction pathways. Monomeric phosphoserine is an intermediate in L-serine biosynthesis.