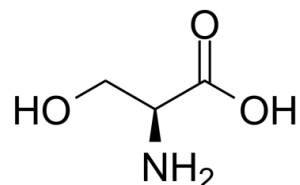


Product Name : serine
Synonyms : (-)-Serine; (S)-Serine
Cat No. : M18819
CAS Number : 56-45-1
Molecular Formula : C₃H₇NO₃
Formula Weight : 105.09
Chemical Name : —



Description : Serine is a non-essential amino acid in humans (synthesized by the body), Serine is present and functionally important in many proteins. With an alcohol group, serine is needed for the metabolism of fats, fatty acids, and cell membranes; muscle growth; and a healthy immune system. It also plays a major role in pyrimidine, purine, creatine, and porphyrin biosynthetic pathways. Serine is also found at the active site of the serine protease enzyme class that includes trypsin and chymotrypsin.

Pathway : Immunology/Inflammation
Target : Lipoxygenase
Receptor : Others
Solubility : H₂O : 50 mg/mL 475.78 mM;
SMILES : C(C(C(=O)O)N)O
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1.de Koning TJ, et al. L-Serine in disease and development. Biochem J. 2003 May 1;371(Pt 3):653-61.