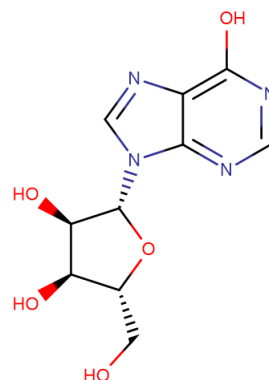


Product Name : Inosine
Synonyms : Inosine; NSC 20262; NSC-20262; NSC20262
Cat No. : M15159
CAS Number : 58-63-9
Molecular Formula : C₁₀H₁₂N₄O₅



Formula Weight : 268.23

Chemical Name : Inosine

Description : A purine nucleoside that has hypoxanthine linked by the N9 nitrogen to the C1 carbon of ribose. It is an intermediate in the degradation of purines and purine nucleosides to uric acid and in pathways of purine salvage. It also occurs in the anticodon of certain transfer RNA molecules.

Pathway : Immunology/Inflammation

Target : ROS

Receptor : XO

Solubility : Water: 47 mg/mL warmed (175.22 mM); DMSO: 53 mg/mL warmed (197.59 mM)

SMILES : OC[C@H]1[C@H]([C@H]([C@H](N2C=NC3=C(N=CN=C32)O)O1)O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Krebs HA, et al. Biochim Biophys Acta, 1953, 12(1-2), 172-180.