

Hypoxanthine, Nutrient additive for cell culture

Catalog	Unit
TBI5380-5G	5 g
TBI5380-25G	25 g

Product Details

Formal Name: 1,9-dihydro-6H-purin-6-one
Alternate Names: 6-Hydroxypurine; NSC-14665
Molecular Formula: C₅H₄N₄O
Formula Weight: 136.10
CAS Number: 68-94-0
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (30 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.

Applications

Nutrient additive for cell culture

Functions

Hypoxanthine is a natural purine analog and a breakdown product of adenosine. Together with aminopterin and thymidine, it is a component of HAT medium, which is used to select clones during recombinant protein and antibody production, particularly important in bioprocessing. It is a biomarker of ischemia, and it is used in malaria research as an essential nutrient for *P. Falciparum*. It also can enable stem cell expansion.

Application Procedures

First dissolved in DMSO (30 mg/ml), then diluted to aqueous buffer.

For research use only.