

Potassium oxonate

Catalog No: tcsc2237



Available Sizes

Size: 5g



Specifications

CAS No:

2207-75-2

Formula:

$C_4H_2KN_3O_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 2 mg/mL (10.25 mM)

Alternative Names:

Potassium azaotate;Potassium otastat;Potassium oxonate

Observed Molecular Weight:

195.17

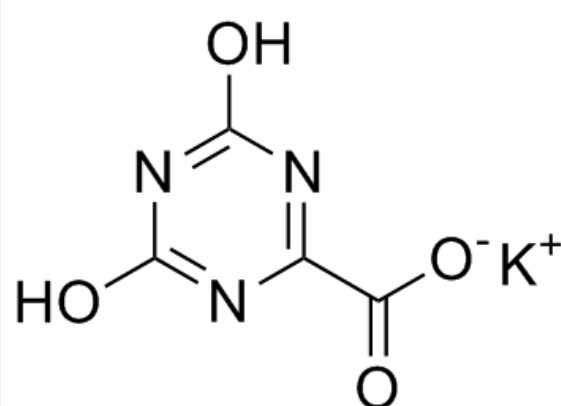
Product Description

Oxonic acid potassium salt is an inhibitor of uricase, oxonic inhibits the phosphorylation of 5-FU to 5-fluorouridine-5'-monophosphate catalyzed by pyrimidine phosphoribosyl-transferase in a different manner from allopurinol in cell-free extracts and intact cells in vitro.

IC₅₀ value:

Target:

On p.o. administration of 5-FU (2 mg/kg) and a potent inhibitor of 5-FU degradation to Yoshida sarcoma-bearing rats, oxonic acid (10 mg/kg) was found to inhibit the formation of 5-fluorouridine-5'-monophosphate from 5-FU and its subsequent incorporation into the RNA fractions of small and large intestine but not of tumor and bone marrow tissues [1]. Oxonic acid diet increased plasma uric acid by 80-90 micromol/l, while blood pressure was elevated only in hyperuricemic 5/6 nephrectomy rats (18 mmHg) [2].



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