

Product Data Sheet

Product Name: UAO
Cat. No.: GC19598

Chemical Properties

Cas. No. 9002-12-4

Formula M.Wt 34 kDa

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

- Specific activity: ≥ 10 U/mg protein
- Unit definition: One unit will oxidize one micromole of uric acid at pH 8.5 at 25°C.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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- Molecular weight: 34 kDa (SDS-PAGE)
- Isoelectric point: 5.4
- Michaelis constant: $1.0 \times 10^{-5} \text{M}$ (Uric acid)
- Optimum pH: 8.5
- Optimum temperature: 37°C
- pH Stability: 6.0~11.0 (25°C, 20hr)
- Thermal stability: < 65°C (pH 8.5, 10min)
- Inhibitors: Ag^+ , Hg^{2+} , Cu^{2+} , Zn^{2+} , Fe^{3+} , Ni^{2+} , Co^{2+}
- Usage: Oxidizes uric acid

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