

Product Data Sheet

Product Name: XOD
Cat. No.: GC19853

Chemical Properties

Cas. No. 9002-17-9

Formula M.Wt 160 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

Unit definition: One unit will convert one micromole of Xanthine to Uric acid per min at pH 7.5 at 37°C.

Isoelectric point: 4.0.

Michaelis constant: 1.4×10^{-6} M (Xanthine).

Optimum pH: 7.0~7.5.

Optimum temperature: 55°C.

pH Stability :6.0~9.5(30°C,16hr).

Thermal stability: < 55°C (pH 7.5, 20min).

Inhibitors: Ag, Hg.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

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Reddish to brown amorphous powder. It is soluble in water. Microbial extraction. The main inhibitors are Ag⁺, Hg²⁺, Cd²⁺ and urea, cyanide, phosphate and chloride ions, and the main stabilizers are salicylate, cysteine, histamine and vilenoate.

It is an enzyme that catalyzes the production of uric acid from xanthine and hypoxanthine, and it is often used as a tool enzyme. For the determination of xanthine, hypoxanthine, inosine, guanine, guanosine, etc

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