
Product Data Sheet

Product Name: Disodium pyrophosphate

Cat. No.: GC66181

Chemical Properties

Cas. No. 7758-16-9

Formula $H_2Na_2O_7P_2$

M.Wt 221.94

Solubility H_2O : 100 mg/mL (450.57 mM; Need ultrasonic)

Storage 4°C, away from moisture

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**

Disodium pyrophosphate (SAPP), a food additive, is an inorganic compound. Disodium pyrophosphate has potential hematotoxic and immunotoxic effects^[1].

Disodium pyrophosphate (oral administration, 12.6 mg/kg) displays hematotoxic and immunotoxic effects with long-term exposure in rats^[1].

Animal Model: Adult Sprague-Dawley rats^[1]

Dosage: 12.6 mg/kg

Administration: Oral administration

Result: Displayed significant leukopenic condition. Decreased in CD3 T-lymphocyte and CD20 Blymphocyte immunolabeling in rats. Downregulated of PPAR- α and PPAR- γ together with upregulation of TNF- α .

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