
Product Data Sheet

Product Name: Polyinosinic acid sodium

Cat. No.: GC71071

Chemical Properties

Cas. No. 33378-44-8

Formula $(C_{10}H_{13}N_4O_8P)_x \cdot xNa$ M.Wt

Solubility H_2O : 100 mg/mL (Need ultrasonic) Storage 4°C, sealed storage, away from moisture and light

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

Polyinosinic acid sodium is the sodium form of Polyinosinic acid . Polyinosinic acid is a single stranded homonucleic acid, which is a Toll-like Receptor 3 (TLR3) ligand.

Polyinosinic acid enhances cellular immune response through TLR3 and TRIF.

Polyinosinic acid has potential applications in immune regulation.

References:

[1]. Marshall-Clarke S, et al. Polyinosinic acid is a ligand for toll-like receptor 3. J Biol Chem. 2007 Aug 24;282(34):24759-66.

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