

Product Data Sheet

Product Name: D-myo-Inositol-1,2,4,5-tetrphosphate (sodium salt)

Cat. No.: GC43510

Chemical Properties

Cas. No.

SMILES O[C@@H]1[C@@H](OP([O-])(O)=O)[C@H](OP([O-])(O)=O)[C@@H](O)[C@@H](OP([O-])(O)=O)[C@H]1OP([O-])(O)=O.[Na+].[Na+].[Na+].[Na+]

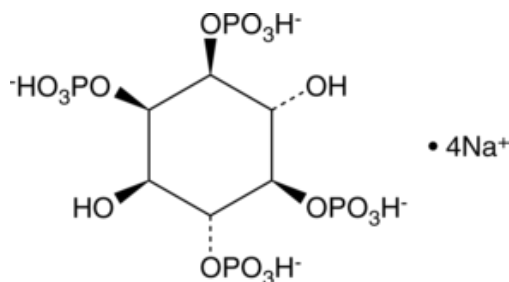
Formula C₆H₁₂O₁₈P₄• 4Na M.Wt 588

Solubility Water: 50 mg/ml Storage Store at -20°C

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

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

Structure



Background

Ins(1,2,4,5)P₄ is one of the many inositol phosphate (InsP) isomers that act as small, soluble second messengers in the transmission of cellular signals.. Ins(1,2,4,5)P₄ exhibits agonist activity at the Ins(1,4,5)P₃ receptor expressed in CHO cells where it induces Ca²⁺ mobilization with an ED₅₀ value of 0.22 μM, making it nearly equipotent to Ins(1,4,5)P₃ (EC₅₀ = 0.1 μM) in the same assay.

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