

Product Data Sheet

Product Name: L-myo-Inositol-1,4,5-triphosphate (sodium salt)

Cat. No.: GC44081

Chemical Properties

Cas. No. 2068-89-5

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]1O.[Na+].[Na+].[Na+]

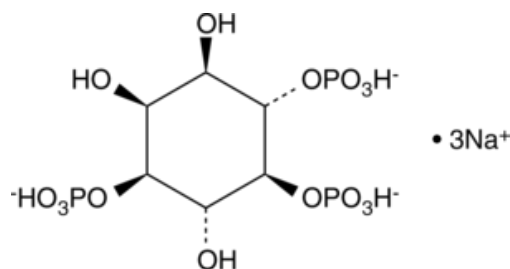
Formula $C_6H_{12}O_{15}P_3 \cdot 3Na$ M.Wt 486

Solubility Water: 50 mg/ml Storage Store at $-20^{\circ}C$

General For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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(1,4,5)P3 is an isomer of the biologically important D-myo-inositol-1,4,5-triphosphate. Unlike its isomer, Ins(1,4,5)P3 does not evoke a rise in intracellular calcium when added to cells. It is not known if Ins(1,4,5)P3 can act as a competitive inhibitor of biologically-active inositol phosphates.

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

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