
Product Data Sheet

Product Name: Sodium Monofluorophosphate

Cat. No.: GC13703

Chemical Properties

Cas. No. 10163-15-2

Chemical Name disodium;fluoro-dioxido-oxo- λ 5-phosphane

SMILES [O-]P(=O)([O-])F.[Na+].[Na+]

Formula $\text{FNa}_2\text{O}_3\text{P}$ M.Wt 143.95Solubility $\geq 7.75\text{mg/mL}$ in Water 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**

Monofluorophosphate is a competitive inhibitor of pyruvate kinase and alkaline phosphatase with K_i of 3.4 mM and 69 μM , respectively, which also irreversibly inhibits phosphorylase phosphatase with K_i of 0.5 mM.

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

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