

Product Data Sheet

Product Name: Propylphosphonic Acid

Cat. No.: GC44701

Chemical Properties

Cas. No. 4672-38-2

SMILES OP(O)(CCC)=O

Formula C₃H₉O₃P

M.Wt 124.1

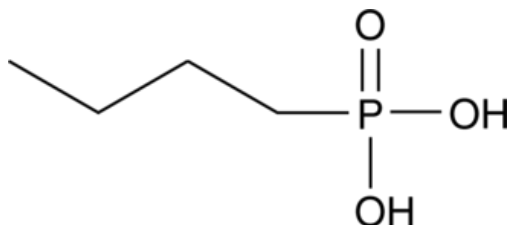
Solubility DMF: 5 mg/ml, DMSO: 2
mg/ml, Ethanol: 30
mg/ml, Ethanol: PBS (pH 7.2) (1:3):
0.25 mg/ml

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

Propylphosphonic acid is a compound that is highly susceptible to degradation by radical species. It has been used to investigate the inactivation of *A. hydrophila* by free radicals produced spontaneously in oxidizing iron-containing groundwaters. It has also been used to identify toxic nerve agents in water samples.

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

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