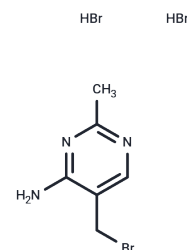


GRK-IN-1

## Chemical Properties

CAS No. : 5423-98-3  
 Formula: C<sub>6</sub>H<sub>10</sub>BrN<sub>3</sub>  
 Molecular Weight: 363.879  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	4-Amino-5-(bromomethyl)-2-methylpyrimidine is a heterocyclic building block.1,2 It has been used in the synthesis of vitamin B1 analogs and thiaminephosphoric acid esters.
Targets(IC50)	Others,GRK

## Solubility Information

Solubility	H <sub>2</sub> O: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7482 mL	13.7408 mL	27.4816 mL
5 mM	0.5496 mL	2.7482 mL	5.4963 mL
10 mM	0.2748 mL	1.3741 mL	2.7482 mL
50 mM	0.055 mL	0.2748 mL	0.5496 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Abblard, J., Cronenberger, L., and Pacheco, H. Synthesis of the analogs of vitamin B1. Chim. Ther. 8(1), 98-110 (1973).

Leichssenring, G., and Joachim, S. The synthesis of thiaminephosphoric acid esters. Chem. Ber. 95, 767-772 (1962).

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