

Anhydrous potassium carbonate

Chemical Properties

CAS No. :

Formula: CK2O3

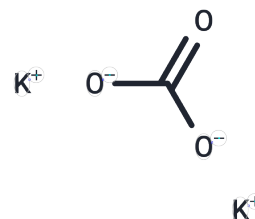
Molecular Weight: 138.21

Storage:

Store under nitrogen, Keep away from direct sunlight,
Keep away from moisture

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	Anhydrous potassium carbonate is a biochemical reagent that can be utilized as a biomaterial for life science-related research and as a sulfonylation reagent for organic synthesis and compound discovery applications. Anhydrous potassium carbonate is also widely applicable in analytical chemistry, synthetic reaction optimization, and biomolecular preparation workflows requiring high-purity inorganic reagents.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 160 mg/mL (1157.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2354 mL	36.1768 mL	72.3537 mL
5 mM	1.4471 mL	7.2354 mL	14.4707 mL
10 mM	0.7235 mL	3.6177 mL	7.2354 mL
50 mM	0.1447 mL	0.7235 mL	1.4471 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

Wells M L, et al. Potassium carbonate as a desiccant in effervescent tablets[J]. International Journal of Pharmaceutics, 1997, 152(2): 227-235.

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