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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anhydrous potassium carbonate, 99.995% metals basis

Cat. No.:	HY-Y1220D
CAS No.:	584-08-7
Molecular Formula:	CK ₂ O ₃
Molecular Weight:	138.21
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Store at room temperature, keep dry and cool



SOLVENT & SOLUBILITY

In Vitro

H₂O : 200 mg/mL (1447.07 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Anhydrous potassium carbonate, 99.995% metals basis is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

Potassium carbonate has a wide range of industrial and research applications. The major use of potassium carbonate is the manufacture of chemicals, fertilizers, soap and glass. It is used as a drying agent for solvents especially if there are traces of acids present, and as a scavenger of acids produced in organic synthesis. It is used as a buffering agent during the production of wine. It is also used as a fire suppressant in extinguishers. In organic synthesis, it is an extensively used reagent for the alkylation and arylation reactions on carbon, sulfur, nitrogen, and oxygen centres. It is also used in aldol condensation, Michael reaction, acylation, Wittig reaction, Knoevenagel reaction, elimination reaction, epoxy opening, cycling, metal-catalyzed cross coupling reaction, hydration, and a wide array of reactions.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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