SZABO SCANDIC

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# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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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:** $CK_2O_3$

**Molecular Weight:** 138.21

**Target:** Biochemical Assay Reagents

**Pathway:** Others

**Storage:** Store at room temperature, keep dry and cool

## SOLVENT & SOLUBILITY

**In Vitro**

$H_2O$ : 200 mg/mL (1447.07 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 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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