Potassium bicarbonate
ACS Reagent

Product Number  P 4913
Store at Room Temperature

Product Description
Molecular Formula:  KHCO₃
Molecular Weight:  100.1
CAS Number:  298-14-6
Synonyms:  potassium hydrogen carbonate, potassium acid carbonate¹

This product is designated as ACS Reagent grade and meets the specifications of the American Chemical Society (ACS) for reagent chemicals.

Potassium bicarbonate is a widely used reagent in research and industrial applications. It is used in crop fertilization and soil maintenance in agriculture, as a dry powder ingredient in fire extinguishers, and as a catalyst in synthetic fiber polymerization and olefin dehydrogenation.

Potassium bicarbonate has been used in studies of renal disorders and the relationship of muscle injury to this process.²³⁴ A study on the addition of potassium bicarbonate in conjunction with a lactose-emphasized diet in rats and its effect on short-chain fatty acid production has been reported.⁵

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (100 mg/ml), yielding a clear, colorless solution.

References
1. The Merck Index, 12th ed., Entry# 7770.

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