Calcium chlorid anhydrous
ACS Reagent
Product Number C 5426
Store at Room Temperature
38,314-7 is an exact replacement for C 5426

Product Description
Molecular Formula: CaCl₂
Molecular Weight: 111.0
CAS Number: 10043-52-4

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

Calcium chloride is a commonly used reagent in biochemistry. Calcium plays important roles in many biological processes, including signal transduction, muscle contraction, and maintenance of cell membrane and cell wall stability. Extensive reviews of the experimental measurement of biological calcium have been published. Calcium chloride is used in the preparation and transformation of competent E. coli and in the transfection of eukaryotic cells with either plasmid DNA or high molecular weight genomic DNA. The CaCl₂-mediated electroporation of E. coli with the plasmid DNA pBR322 has been studied. A protocol for the concentration of virus vectors that uses CaCl₂ has been published.

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