Potassium sulfate
Plant Cell Culture Tested

Product Number  P 8541
Store at Room Temperature

Product Description
Molecular Formula:  K₂SO₄
Molecular Weight:  174.3
CAS Number:  7778-80-5
Melting Point:  1,067 °C¹

This product is plant cell culture tested (1 mg/ml) and is suitable for plant cell culture applications.

Potassium sulfate is a reagent that is used in various industrial and research applications. Industrial uses include fertilizer production, the manufacture of potassium alum, potassium carbonate, and glass.¹ Analytical applications include the Kjeldahl method for the determination of nitrogen and protein in foodstuffs.²

The effect of potassium sulfate on the folding and unfolding of tropomyosin has been investigated.³ Potassium sulfate has been used in studies on electrostatic effects on pKₐ values of amino acid residues in staphylococcal nuclease.⁴ The use of potassium sulfate for improved protein separation by capillary zone electrophoresis in buffers containing high concentrations of zwitterionic salts has been described.⁵ A protocol that incorporates potassium sulfate for the adsorption of immune complexes on agarose derivative adsorbents has been published.⁶

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

Preparation Instructions
This product is soluble in water (66 mg/ml), yielding a clear, colorless solution.

References
1. The Merck Index, 12th ed., Entry# 7845.