Potassium iodide

Product Number  P 8256
Store at Room Temperature

Product Description
Molecular Formula:  KI
Molecular Weight:  166.0
CAS Number:  7681-11-0
Melting Point:  680 °C (volatilizes at higher temperature)
Density:  3.12 g/cc

Potassium iodide is a salt used in the manufacture of photographic emulsions, as a component of animal and poultry feeds, and in table salt as a source of iodine.1

In biochemistry, KI is often used as a fluorescence quencher.2,3  KI has been utilized in the purification of Z-line skeletal muscle proteins from fish.4 The use of KI to facilitate the sorption of microbial proteins into dextran hydrogels from cell lysates has been described.5  KI has been applied in the elucidation of the crystal structure of the S100-A3 apoprotein.6

The use of KI in the isolation of single stranded DNA has been described.7 A procedure has been published on the isolation of mRNA from cell lysates or subcellular fractions by KI gradient centrifugation.8

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

Preparation Instructions
This product is soluble in water (133 mg/ml), yielding a clear, colorless solution. The pH of aqueous KI solutions is neutral to slightly alkaline. This product is also soluble in alcohol, glycerol, and glycol.1

Storage/Stability
It is recommended to store this product in tightly sealed containers protected from light.

References
1. The Merck Index, 12th ed., Entry# 7809.