
Povidone iodine

产品编号: D58639

CAS: 25655-41-8

分子式: C₆H₉I₂NO

纯度: 98%

InChi Key: InChIKey=FAAHNQAYWKTLED-UHFFFAOYSA-N

Smiles: CCC(C)N1CCCC1=O

外观: 固体粉末

作用通路: Microbiology/virology

作用靶点: Antibacterial; Antibiotic

溶解性: DMSO:27 mg/mL; Ethanol:27 mg/mL; Water:26 mg/mL

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Povidone-Iodine is an iodophor solution containing a water-soluble complex of iodine and polyvinylpyrrolidone (PVP) with broad microbicidal activity. Free iodine, slowly liberated from the polyvinylpyrrolidone iodine (PVPI) complex in solution, kills eukaryotic or prokaryotic cells through iodination of lipids and oxidation of cytoplasmic and membrane compounds. This agent exhibits a broad range of microbicidal activity against bacteria, fungi, protozoa, and viruses. Slow release of iodine from the PVPI complex in solution minimizes iodine toxicity towards mammalian cells.