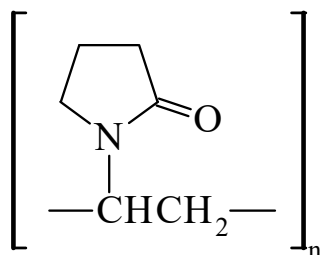




>>Entry Name: Polyvidone, INN

Synonym(s): Povidone, BAN, USAN. 1-Ethenyl-2-pyrrolidinone homopolymer, 9CI. Plasdone. Vinisil. Polyvinylpyrrolidone. Kollidon. Disadine. Many other names



CAS Registry Number: 9003-39-8

Related CAS Registry Numbers(s): 92815-93-5

Molecular Formula: C₆H₉NO

Molecular Weight: 111.143

Accurate Mass: 111.068414

Percentage Composition: C 64.84%; H 8.16%; N 12.60%; O 14.40%

Use/Importance: Pharmaceutic aid (disintegrant)

Physical Description: Faintly yellow solid

Other Data: The name Cropsovidone, INN, USAN also appears to be used

Hazard & Toxicity: Carcinogen (IARC Group 3). Exp. tumourigenic data

Aldrich: 23425-7

Fluka: 81422

Sigma: P3004

>>Derivative: Compd. with iodine

Synonym(s): Povidone-Iodine, BAN, USAN. Betadine. PVP-Iodine. Iodopovidonum. Jodpolyvinylpyrrolidon. Pevidine. Many other names

CAS Registry Number: 25655-41-8

Use/Importance: Topical antiinfective agent, used in treatment of burns. Used in antidandruff shampoos

Physical Description: Yellowish-brown amorph. powder

Other Data: ¹²⁵I and ¹³¹I labelled compounds, (Povidone I 125, USAN and Povidone I 131) are used as radioactive agents

Hazard & Toxicity: Can cause skin haemorrhage and dermatitis. LD₅₀ (rat, orl) >8000 mg/kg. LD₅₀ (rat, scu) 3450 mg/kg

Aldrich: 86056-5

Sigma: P8763

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