Data Sheet (Cat.No.TSH-00305)

TargetMol

Polyvinylpyrrolidone (average Mw~40000)

Chemical Properties

CAS No. :

Formula: (C6H9NO)n

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Polyvinylpyrrolidone (average Mw~40000) is a water-soluble, nonionic polymer with an average molecular weight of 40,000 Da. Polyvinylpyrrolidone (average Mw~40000) is a commonly used inert polymeric excipient in the pharmaceutical and biological research fields. Polyvinylpyrrolidone (average Mw~40000) possesses excellent film-forming and binding properties and can be used as a sealing agent, protein stabilizer, solubilizer, binder, and excipient. Polyvinylpyrrolidone (average Mw~40000) can be used in the synthesis of nanoparticles.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 80 mg/mL,Sonication is recommended. DMSO: 80 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Namasivayam M, et al. A Comparative Study on the Role of Polyvinylpyrrolidone Molecular Weight on the Functionalization of Various Carbon Nanotubes and Their Composites. Polymers (Basel). 2021;13(15):2447. Published 2021 Jul 25.

Luo Y, et al. Multifunctional Role of Polyvinylpyrrolidone in Pharmaceutical Formulations. AAPS PharmSciTech. 2021;22(1):34. Published 2021 Jan 6.

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