Pharmaceutical raw material

Propylene glycol

Polyols

CAS 57-55-6



Material illustration

Substance identity

A diol also called propane-1,2-diol. Its intended use determines the required impurity controls and identity test.

Property	Reference value	Method or source
CAS number	**57-55-6**	PubChem
Chemical formula	**$C_3H_8O_2$**	PubChem
Molar mass	**76.09 g/mol**	PubChem

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.



Applications

A liquid co-solvent in solutions and a humectant in some semi-solid formulations. It provides a water-miscible liquid phase when the formulation calls for one.



Purchasing criteria

Identify 1,2-propanediol, the applicable monograph, required water content and intended use. For qualification, request results for ethylene glycol and diethylene glycol against the applicable specification.

Technical reference

PubChem