

Tween 20

Chemical Properties

CAS No. : 9005-64-5

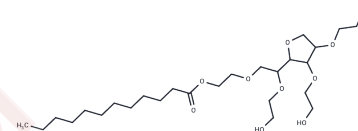
Formula: C₂₆H₅₀O₁₀

Molecular Weight:

Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tween-20(Polysorbate 20) ,sorbitan mono-9-octadecanoate poly(oxy-1,2-ethanediyl) derivatives, is used in the formulation of biotherapeutic products for both preventing surface adsorption and as a stabilizer against protein aggregation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL,Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

- Kerwin BA. Polysorbates 20 and 80 used in the formulation of protein biotherapeutics:structure and degradation pathways. J Pharm Sci. 2008 Aug;97(8):2924-35.
- Hofer S, Stonig M, Wally V, Hartmann A, Fuchs D, Hermann M, Paparella M, Ganzera M, Gostner JM. Contradictory effects of chemical filters in UV/ROS- stressed human keratinocyte and fibroblast cells. ALTEX. 2019;36(2):231-244.
- Diffey B. New Sunscreens and the Precautionary Principle. JAMA Dermatol. 2016 May 1;152(5):511-2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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