

Polysorbate 20

货号: **B26731**

Polyoxyethylene sorbitan monolaurate

产品信息

生物活性	Polysorbate 20 is a polyoxyethylene (POE)-type nonionic surfactant.
CAS	9005-64-5
中文名称	吐温20
分子量	
体外研究	<p>Addition of Polysorbate 20 can modify lignin surface properties to change its hydrophobicity, hydrogen bonding ability and surface charges, thus reducing the non-productive adsorption of proteins.</p> <p>Polysorbate 20 (0.35%-0.7% w/w) added to 0.05 mol/L of phosphate buffer pH 6.5 dramatically increased the apparent solubility of the drug from 0.8 µg/ml even to 353 µg/ml, while its effect in lower pH or in water was much smaller (20 µg/ml in pH 4.5). The increased concentration of phosphate salts (0.2 mol/l) at pH 6.5 in the presence of 0.7% of polysorbate 20, resulted in further increase of candesartan cilexetil solubility to 620 µg/ml.</p> <p>The accuracy of these methods have not been independently confirmed. They are for reference only.</p>
体内研究	
形式	Viscous liquid
运输条件	Room temperature in continental US; may vary elsewhere.
保存条件	

溶解性	<p>In Vitro: DMSO : 50 mg/mL (ultrasonic and warming and heat to 60°C)</p> <p>In Vivo: 请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液，再依次添加助溶剂：</p> <p>——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用； 以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶</p> <ul style="list-style-type: none">1. 请依序添加每种溶剂： 10% DMSO 90% corn oil <p>Solubility: ≥ 1.67 mg/mL (Infinity mM); Clear solution</p> <p>此方案可获得 ≥ 1.67 mg/mL (Infinity mM，饱和度未知) 的澄清溶液，此方案不适用于实验周期在半个月以上的实验。</p> <p>以 1 mL 工作液为例，取 100 μL 16.7 mg/mL 的澄清 DMSO 储备液加到 900 μL玉米油中，混合均匀。</p> <p>*以上所有助溶剂都可在 MCE 网站选购。</p>
纯度	