Bovine Serum Albumin

货号: B26673

BSA

产品信息

生物活性	Bovine Serum Albumin (BSA) is a 583-residue protein consisting of three homologous all-α domains, organized in a heart-shaped structure. BSA is a globular protein that is used in numerous biochemical applications.
CAS	9048-46-8
中文名称	白蛋白
分子量	
体外研究	Bovine serum albumin (BSA) is a 583-residue protein consisting of three homologous all-α domains, organized in a heart-shaped structure. Bovine serum albumin constitutes ca. 60% of all plasma protein and binds and transports a large number of physiological and non-physiological ligands. Bovine serum albumin contains 17 disulfide bonds and one unpaired cysteine (Cys34), which facilitates dimerization and also influences higher-order association, since the rate of aggregation is slowed down if Cys34 is covalently bound to another compound. MTT assay for fibril cytotoxicity shows Bovine Serum Albumin is beneficial for cell growth irrespective of its aggregated state. Lack of cytotoxicity is confirmed by membrane permeabilization assays. In the subsequent 40 h, an increase in the viability of the treated cells of 300-400% is observed, indicating that the cells incubated with Bovine Serum Albumin achieve a higher viability than the untreated cells. **The accuracy of these methods have not been independently confirmed. They are for reference only.**
体内研究	
形式	Solid
运输条件	Room temperature in continental US; may vary elsewhere.
保存条件	4°C, protect from light

溶解性	In Vitro: **H_2O : 50 mg/mL** (Need ultrasonic) 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： ——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** • 1. 请依序添加每种溶剂： PBS Solubility: 100 mg/mL (Infinity mM); Clear solution; Need ultrasonic *以上所有助溶剂都可在 MCE 网站选购。
纯度	≥98.0%