

霍乱毒素

产品编号: Y34485

产品名称: Cholera toxin

CAS: 9012-63-9

分子式: C₁₇H₂₀O₆

分子量: 320.34

储存条件: 粉末 2-8℃ 四年

化学名: 霍乱毒素 Cholera toxin

Solubility (25°C):

体外: Water ≥ 10 mg/mL

< 1mg/ml 表示微溶或不溶。

所有化合物浓度为内部测试所得，实际溶液度可能与公布值有所偏差，属于正常的批间细微差异现象。

请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

生物活性

产品描述:

Cholera toxin (Cholera toxin), an AB(5)-subunit toxin, enters host cells by binding the ganglioside GM1 at the plasma membrane (PM) and travels retrograde through the trans-Golgi Network into the

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endoplasmic reticulum (ER). Cholera toxin activates adenylate cyclase by catalyzing ADP-ribosylation of Gs alpha, the stimulatory guanine nucleotide-binding protein.

体外研究:

In the ER, a portion of Cholera toxin, the enzymatic A1-chain, is unfolded by protein disulfide isomerase and retro-translocated to the cytosol by hijacking components of the ER associated degradation pathway for misfolded proteins. Cholera toxin acts as an ADP-ribosyltransferase to disrupt intracellular signaling in the target cell. Cholera toxin moves by vesicle carriers from the cell surface to the endoplasmic reticulum (ER) of an intoxicated cell.

