

Polyinosinic Acid-Polycytidylic Acid

货号: P1744

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

产品描述

Toll-like receptor-3 (TLR-3) belong to the Toll-like receptors family, it is mainly expressed on immune cells where it senses pathogen-associated molecular patterns and initiates innate immune response. Polyinosinic-polycytidylic acid [poly (I:C)] can act as a dsRNA molecule and interacts with TLR-3 of microglia cells to evoke the immune system, thus mimicking the viral infection. Early life exposure to poly (I:C) has a long-term effect and impairs learning and memory, probably through TNF- α mediated neuroinflammation and alteration in the expression of memory associated genes in frontal cortex and hippocampus of rats. Poly (I:C) exclusively stimulated the expression of interferon (IFN) β , IFN λ 1, and the IFN-stimulated gene OAS2. Poly (I:C) also significantly increased secretion of elafin, CCL20, and RANTES. Secretions from poly (I:C)-treated fibroblasts had both greater anti-HIV activity and induced higher levels of CD4 + T cell chemotaxis than those from LPS-treated cells.

产品信息

CAS 号	24939-03-5	
分子式	$(C_{10}H_{13}N_4O_8P)_x \cdot (C_9H_{14}N_3O_8P)_x$	
别名	Poly I • Poly C; Poly(I:C)	
溶解度	DMSO	insoluble
	Water	20mg/ml

