

Poly (I:C):Kanamycin (1:1)

Cat. No.:	HY-107202A		
Target:	Toll-like Receptor (TLR)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

Poly(I:C):Kanamycin(1:1)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 50 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 20 mg/mL (Infinity mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description	Poly (I:C):Kanamycin (1:1) is a mixture of poly (I:C) and kanamycin. Poly(I:C) is a synthetic double-stranded RNA (dsRNA), which is a Toll-like receptor 3 (TLR3) agonist. Kanamycin is positively charged (poly-NH ₃) and can thus neutralize the negative charge of Poly I:C and thereby stabilized the molecule.
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CUSTOMER VALIDATION

- Chem Eng J. 2021 Aug 15;418:129392.
- Cancer Med. 2023 Jun 7.
- Virol Sin. 2023 May 2;S1995-820X(23)00048-2.
- SSRN. 2023 Apr 29.

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REFERENCES

[1]. Matsumoto M, et al. TLR3: interferon induction by double-stranded RNA including poly(I:C). Adv Drug Deliv Rev. 2008 Apr 29;60(7):805-12.

Caution: Product has not been fully validated for medical applications. For research use only.

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