Data Sheet (Cat.No.T73674)

TargetMol

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

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Poly(I:C):Kanamycin (1:1) is an equimolar mixture of Poly(I:C) and kanamycin. Poly(I:C) is a synthetic double-stranded RNA analogue and TLR3 agonist commonly used as a vaccine adjuvant; kanamycin enhances Poly(I:C) stability.
Targets(IC50)	Apoptosis,TLR

Solubility Information

Solubility	H2O: 40 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Cheng Y, Xu F. Anticancer function of polyinosinic-polycytidylic acid [J]. Cancer biology & therapy, 2010, 10(12): 1219-1223.

Deleidi M, Hallett P J, Koprich J B, et al. The Toll-like receptor-3 agonist polyinosinic: polycytidylic acid triggers nigrostriatal dopaminergic degeneration [J]. Journal of Neuroscience, 2010, 30(48): 16091-16101.

Forte G, Rega A, Morello S, et al. Polyinosinic-polycytidylic acid limits tumor outgrowth in a mouse model of metastatic lung cancer [J]. The Journal of Immunology, 2012, 188(11): 5357-5364.

Rezaee F, Meednu N, Emo J A, et al. Polyinosinic: polycytidylic acid induces protein kinase D-dependent disassembly of apical junctions and barrier dysfunction in airway epithelial cells [J]. Journal of Allergy and Clinical Immunology, 2011, 128(6): 1216-1224. e11.

Wang P F, Fang H, Chen J, et al. Polyinosinic-polycytidylic acid has therapeutic effects against cerebral ischemia/reperfusion injury through the downregulation of TLR4 signaling via TLR3 [J]. The Journal of Immunology, 2014, 192(10): 4783-4794.

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