

Polyinosinic-polycytidylic acid potassium

Chemical Properties

CAS No. : 31852-29-6
Formula: $(C_{10}H_{13}N_4O_8P)_x \cdot (C_9H_{14}N_3O_8P)_x \cdot xK$
Molecular Weight:
Storage: 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	Polyinosinic-polycytidylic acid potassium (Poly(I:C) potassium), a synthetic double-stranded RNA analog, serves as an agonist for toll-like receptor 3 (TLR3) and retinoic acid-inducible gene I (RIG-I)-like receptors (RIG-I and MDA5), offering applications in immunotherapy. Its sodium variant enhances both innate and adaptive immune responses when used as a vaccine adjuvant and is instrumental in modifying the tumor microenvironment. Additionally, Poly(I:C) potassium can directly induce apoptosis in cancer cells [1] [2] [3].
Targets(IC50)	Apoptosis,Others,TLR

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