

## Poly I: C

Cat. No. LIGC-002

Lot. No. (See product label)

### Introduction

#### Description

Synthetic double-stranded RNA (dsRNA); Toll-like receptor 3 (TLR3) agonist. Aids generation of stable, mature dendritic cells. Transfection into NIT-1  $\beta$  cells induces  $\beta$ -cell apoptosis. Immunostimulant.

#### Synonyms

Polyinosinic-polycytidylic acid sodium salt; Polyinosinic acid, homopolymer, complex with polycytidylic acid, homopolymer (1:1); Poly(C).poly(I); Poly(C:I); Poly(I)-poly(C); Poly(I).poly(C); Poly(I).poly(C) Complex; Poly(cytidylic acid)-poly(inosinic acid); Poly(rl)-poly(rC); Poly(rl).poly(rC); Poly(rl):poly(rC); Poly(rl:rC); Polycytidylic-polyinosinic Acid; Polyinosinate-polycytidylate Complex; Polyinosinate:polycytidylate; Polyinosine-polycytidylic Acid; Polyinosinic Acid:polycytidylic Acid

### Product Information

#### Appearance

White to off-white powder

#### CAS No.

24939-03-5

#### Molecular Formula

(C<sub>10</sub>H<sub>13</sub>N<sub>4</sub>O<sub>8</sub>P)<sub>x</sub>.(C<sub>9</sub>H<sub>14</sub>N<sub>3</sub>O<sub>8</sub>P)<sub>x</sub>

#### Solubility

Soluble to 3 mg/ml in water

### Storage and Shipping Information

#### Storage

Store at -20°C.

#### Stability

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt. SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.