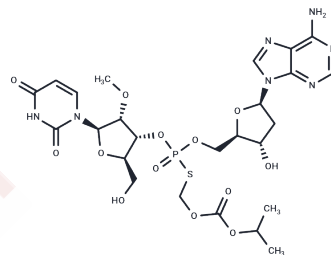


## Inarigivir soproxil

## Chemical Properties

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| CAS No. :         | 942123-43-5                                                                   |
| Formula:          | C <sub>25</sub> H <sub>34</sub> N <sub>7</sub> O <sub>13</sub> P <sub>5</sub> |
| Molecular Weight: | 703.62                                                                        |
| Appearance:       | no data available                                                             |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year                      |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Inarigivir soproxil (SB9200) is an agonist of innate immunity that demonstrates effective antiviral activity against resistant hepatitis C virus (HCV) variants, with EC <sub>50</sub> s of 2.2 and 1.0 µM for HCV 1a/1b in cells of genotype 1 HCV replicon systems.                                                                                                                                                                                                                                                                                                                                                                              |
| Targets(IC <sub>50</sub> ) | HCV Protease                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| In vitro                   | Inarigivir soproxil is shown to inhibit HCV replication and the range of inhibition is comparable between genotypes 1a and 1b. Inarigivir soproxil is an oral modulator of innate immunity that is believed to act via the activation of the RIG-I and NOD2 pathways. Inarigivir soproxil demonstrates pan-genotypic antiviral activity against HCV. Inarigivir soproxil is active against DAA-resistant HCV variants. SB 9200 has broad-spectrum antiviral activity against RNA viruses including hepatitis C virus (HCV), norovirus, respiratory syncytial virus and influenza and has demonstrated activity against hepatitis B virus (HBV)[1]. |

## Solubility Information

|            |                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 102 mg/mL (144.96 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4212 mL | 7.1061 mL | 14.2122 mL |
| 5 mM  | 0.2842 mL | 1.4212 mL | 2.8424 mL  |
| 10 mM | 0.1421 mL | 0.7106 mL | 1.4212 mL  |
| 50 mM | 0.0284 mL | 0.1421 mL | 0.2842 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Jones M, ET AL. SB 9200, a novel agonist of innate immunity, shows potent antiviral activity against resistant HCV variants. J Med Virol. 2017 Sep;89(9):1620-1628.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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