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**Product Data Sheet**

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Product Name: Inarigivir ammonium

Cat. No.: GC63021

**Chemical Properties**

Cas. No. 2172788-92-8

Formula C<sub>20</sub>H<sub>29</sub>N<sub>8</sub>O<sub>10</sub>PS

M.Wt 604.53

Solubility H<sub>2</sub>O □ 100 mg/mL (165.42 mM; Need ultrasonic) □  
DMSO : 100 mg/mL (165.42 mM; Need ultrasonic)4°C, sealed  
Storage storage, away  
from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Inarigivir (ORI-9020) ammonium is a dinucleotide antiviral drug which can significantly reduce liver HBV DNA in transgenic mice expressing hepatitis B virus. Inarigivir (ORI-9020) act as an RIG-I agonist to activate cellular innate immune responses[1][2].

Inarigivir (SB 9200) is active against HBV variants carrying resistance markers against all the nucleos(t)ide analogues approved for treating chronic hepatitis B[2].

Inarigivir (100 mg/kg/day, ip) significantly reduces viral DNA in the liver and shows anti-HBV activity. Serum HBV DNA is not reduced in response to treatment. Inarigivir does not affect levels of HBV RNA in liver, levels of HBeAg in serum, or mean titers of HBsAg. The minimal effective dose is identified to be between 1.6 and 0.5 mg/kg/day using liver HBV DNA values[1].

[1]. Iyer RP, et al. Anti-hepatitis B virus activity of ORI-9020, a novel phosphorothioate dinucleotide, in a transgenic mouse model. *Antimicrob Agents Chemother.* 2004 Jun;48(6):2318-20.

[2]. Danni Colledge, et al. The Novel Antiviral Agent Inarigivir Inhibits Both Nucleos(t)ide

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Analogue and Capsid Assembly Inhibitor Resistant HBV in vitro.

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