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**Product Data Sheet**

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Product Name: SSAA09E3

Cat. No.: GC68026

**Chemical Properties**

Cas. No. 52869-18-8

Formula  $C_{21}H_{13}NO_3$ 

M.Wt 327.33

Solubility DMSO : 33.33 mg/mL (101.82 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light

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**

SSAA09E3 is a **SARS-CoV** entry inhibitor that inhibits **SARS/HIV** pseudotyped virus entry with an **EC<sub>50</sub>** of 9.7  $\mu$ M in 293T cells and inhibits SARS-CoV infection of Vero cells with an **EC<sub>50</sub>** of 0.15  $\mu$ M<sup>[1][2]</sup>.

SSAA09E3 blocks viral entry by inhibiting fusion of the viral membrane with the host cell membrane<sup>[1]</sup>.

SSAA09E3 inhibits later stages of viral entry<sup>[2]</sup>.

[1]. Ghosh AK, et al. Drug Development and Medicinal Chemistry Efforts toward SARS-Coronavirus and Covid-19 Therapeutics. ChemMedChem. 2020 Jun 4;15(11):907-932.

[2]. Adedeji AO, et al. Novel inhibitors of severe acute respiratory syndrome coronavirus entry that act by three distinct mechanisms. J Virol. 2013 Jul;87(14):8017-28.

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

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