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**Product Data Sheet**

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Product Name: (Z)-9-Propenyladenine

Cat. No.: GC35009

**Chemical Properties**

Cas. No. 1464851-21-5

SMILES NC1=C2N=CN(/C=C\C)C2=NC=N1Formula C<sub>8</sub>H<sub>9</sub>N<sub>5</sub>

M.Wt 175.19

Solubility DMSO: ≥ 100 mg/mL (570.81 mM)

Storage Store at -20°C

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**

(Z)-9-Propenyladenine is a mutagenic impurity in tenofovir disoproxil fumarate. Tenofovir is an antiretroviral drug known as nucleotide analogue reverse transcriptase (NtART) inhibitor, which blocks reverse transcriptase, a crucial virus enzyme in HIV-1 and HBV.

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

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