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**Product Data Sheet**

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Product Name: 3-Deaza-2'-deoxyadenosine

Cat. No.: GC42259

**Chemical Properties**

Cas. No. 78582-17-9

SMILES NC1=C2C(N([C@H]3C[C@H](O)[C@@H](CO)O3)C=N2)=CC=N1Formula C11H14N4O3 M.Wt 250.3

Solubility DMF: 5 mg/ml, DMSO: 20 mg/ml, PBS (pH 7.2): 10 mg/ml 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 sizes: ship with RT, or blue ice upon request.

Structure **Background**

3-Deaza-2'-deoxyadenosine strongly inhibits lymphocyte-mediated cytolysis with low cytotoxicity when applied at 100 μM. This nucleoside can also be used to evaluate the role of the adenine N3 nitrogen in DNA structure and function.

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

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