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**Product Data Sheet**

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Product Name: 6-Amino-5-azacytidine

Cat. No.: GC35174

**Chemical Properties**

Cas. No. 105331-00-8

SMILES O=C1N([C@H]2[C@H](O)[C@H](O)[C@@H](CO)O2)C(N)=NC(N)=N1Formula C8H13N5O5 M.Wt 259.22

Solubility Water: 14.71 mg/mL (56.75 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**

6-Amino-5-azacytidine inhibits the growth of bacteria E. coli[1]. Anti-bacteria (E. coli)[1]

6-Amino-5-azacytidine has an ID50 of 33.9 μM against CCRF-CEM cells and inhibits the growth of WI-L2 cells by 39% at 100 μM[1].

[1]. Alois Pískala, et al. Synthesis, molecular conformation and biological activity of 6-amino-5-azacytidine. Collect. Czech. Chem. Commun. 1989, 54, 2502-2512.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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