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**Product Data Sheet**

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Product Name: 1-beta-D-Arabinofuranosyluracil

Cat. No.: GC35030

**Chemical Properties**

Cas. No. 3083-77-0

SMILES O=C1NC(C=CN1[C@H]2[C@H]([C@@H]([C@@H](CO)O2)O)O)=OFormula  $C_9H_{12}N_2O_6$  M.Wt 244.2Solubility DMSO:  $\geq 100$  mg/mL (409.50 mM) Storage Store at  $-20^\circ\text{C}$ 

General tips For obtaining a higher solubility, please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  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**

1- $\beta$ -D-Arabinofuranosyluracil (ara-U) is an inactive metabolite of cytarabine.<sup>1</sup> Ara-U is formed when cytarabine undergoes deamination by cytidine deaminase.

1. Liang, D., Wang, W., Jiang, X., et al. Simultaneous determination of 1- $\beta$ -? -arabinofuranosylcytosine and two metabolites, 1- $\beta$ -? -arabinofuranosyluracil and 1- $\beta$ -? -arabinofuranosylcytosine triphosphate in leukemic cell by HPLC-MS/MS and the application to cell pharmacokinetics. J. Chromatogr. B Analyt. Technol. Biomed. Life Sci. 96214-19(2014)

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

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