

Product Data Sheet

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)=O

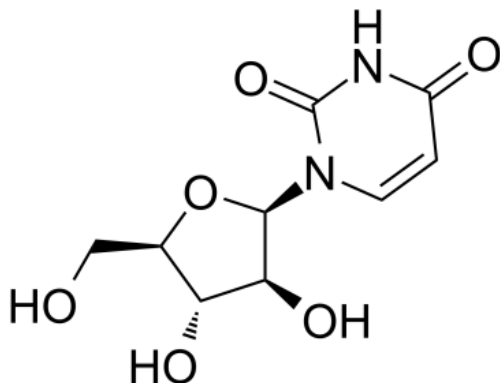
Formula $C_9H_{12}N_2O_6$ M.Wt 244.2

Solubility DMSO: ≥ 100 mg/mL (409.50 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

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

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1-beta-D-Arabinofuranosyluracil (Uracil 1- β -D-arabinofuranoside) isolated from the Caribbean sponge *Tectitethya crypta*, is a methoxyadenosine derivative. 1-beta-D-Arabinofuranosyluracil has demonstrated a diverse bioactivity profile including anti-inflammatory activity, analgesic and vasodilation properties[1]. 1-beta-D-Arabinofuranosyluracil reduces a proliferation of mouse lymphoma cells[2].

[1]. Bertin MJ, et al. Spongosome production by a *Vibrio harveyi* strain associated with the sponge *Tectitethya crypta*. *J Nat Prod*. 2015 Mar 27;78(3):493-9. [2]. Müller WE, et al. Metabolism of 1-beta-D-arabinofuranosyluracil in mouse L5178Y cells. *Cancer Res*. 1979 Mar;39(3):1102-7.

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