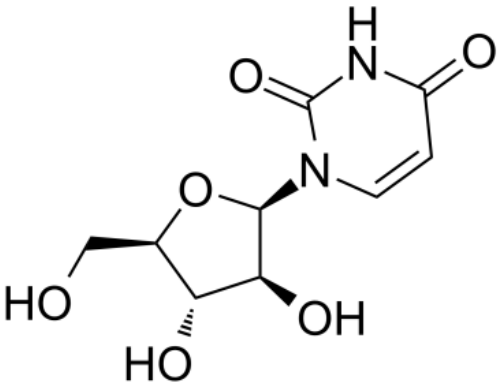
Product Data Sheet

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

Product Data Sheet

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. Spongosine 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.

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