

Product Data Sheet

Product Name: 5,6-Dihydro-5-methyluracil

Cat. No.: GC35152

Chemical Properties

Cas. No. 696-04-8

SMILES O=C1NC(C(C)CN1)=O

Formula $C_5H_8N_2O_2$ M.Wt 128.13

Solubility DMSO : 62.5 mg/mL (487.79 mM; ultrasonic and warming and heat to 60°C) 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.

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

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Structure



Background

5,6-Dihydro-5-methyluracil (Dihydrothymine), an intermediate breakdown product of thymine, comes from animal or plants. 5,6-Dihydro-5-methyluracil (Dihydrothymine) can be toxic when present at abnormally high levels[1]. Human Endogenous Metabolite

[1]. Yamane T, et al. Dihydrothymine from UV-irradiated DNA. Proc Natl Acad Sci U S A. 1967 Aug;58(2):439-42.

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