

Product Data Sheet

Product Name: Queuine
Cat. No.: GC71884

Chemical Properties

Cas. No. 72496-59-4

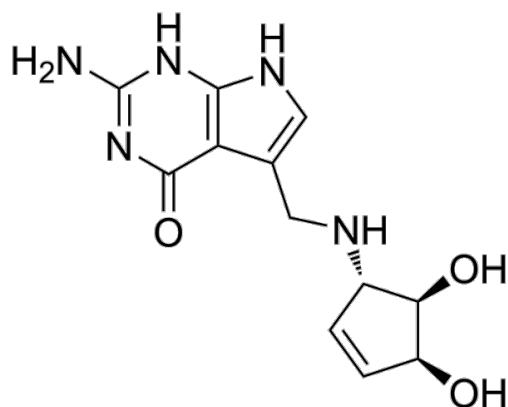
Formula $C_{12}H_{15}N_5O_3$ M.Wt 277.28

Solubility DMSO : 100 mg/mL (360.65 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

Queuine is a hypermodified nucleobase, which is modified to queuosine. Queuine, as an important micronutrient, can be used for the research of diseases associated with human gut microbiome.

References:

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

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[1]. Yifeng Yuan, et al. Discovery of novel bacterial queuine salvage enzymes and pathways in human pathogens. Proc Natl Acad Sci U S A. 2019 Sep 17;116(38):19126-19135.

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