

Product Data Sheet

Product Name: AmdU (5-azidomethyl-2'-deoxyuridine)

Cat. No.: GC59013

Chemical Properties

Cas. No.

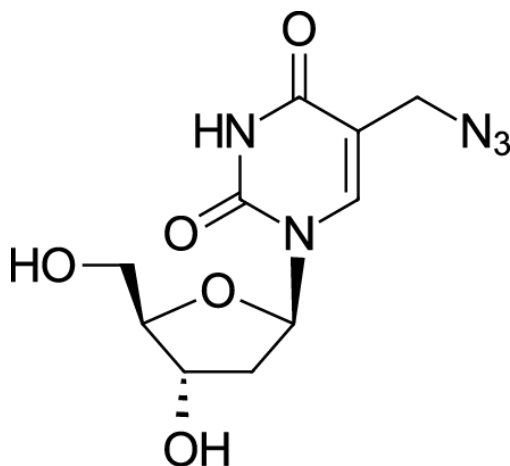
Formula $C_{10}H_{13}N_5O_5$ M.Wt 283.24

Solubility good in water, alcohols, DMSO, DMF Storage Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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

Azidomethyl-dU (AmdU) is a nucleoside that contains an azide group. The structure of the nucleoside is similar to thymidine, and it is incorporated into nascent DNA by cellular polymerases, similarly to EdU.

Unlike EdU that needs to be further modified with azides in the presence of copper catalyst, AmdU

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

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can also react in the absence of copper catalyst using spAAC Click Chemistry with strained cycloalkynes, such as [cyclooctynes](#). This enables detection of nascent DNA in benign, copper free conditions.

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