

Product Data Sheet

Product Name: 3'-Azido-3'-deoxyadenosine

Cat. No.: GF31623

Chemical Properties

Cas. No. 58699-62-0

Formula C₁₀H₁₂N₈O₃

M.Wt 292.3

Solubility

Storage 2-8°C, away from moisture, sealed storage

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

3'-Azido-3'-deoxyadenosine is a purine nucleoside analogue. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc. 3'-Azido-3'-deoxyadenosine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

[1]. Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid

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

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