
Product Data Sheet

Product Name: N2-Acetylguanine

Cat. No.: GC66325

Chemical Properties

Cas. No. 19962-37-9

Formula C₇H₇N₅O₂

M.Wt 193.16

Solubility DMSO : 3.57 mg/mL (18.48 mM; ultrasonic and warming and heat to 80°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.

Structure **Background**

N2-Acetylguanine is a C2-modified guanine. N2-Acetylguanine binds GR (guanine-guanine riboswitch) with an **K_d** value of 300 nM. N2-Acetylguanine modulate transcriptional termination. N2-Acetylguanine has the potential for the research of antimicrobial agent^[1].

N2-Acetylguanine completely disrupt a key Watson-Crick pairing interaction between the ligand and RNA^[1].

N2-Acetylguanine (20 μM) promotes transcriptional termination in *Bacillus subtilis* ^[1].

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

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