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**Product Data Sheet**

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Product Name: NAI  
Cat. No.: GC50648

**Chemical Properties**

Cas. No. 1055970-47-2

SMILES CC1=C(C(N2C=CN=C2)=O)C=CC=N1

Formula C<sub>10</sub>H<sub>9</sub>N<sub>3</sub>O M.Wt 187.2

Solubility DMSO|18.72|100| 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**

Reagent for RNA SHAPE-MaP experiments in live cells. Acylates the 2'-OH in RNA, labels single stranded or flexible regions more than folded regions (SHAPE methodology). Enables analysis of RNA secondary structures at single nucleotide resolution. Exhibits greater signals with lower background than 1M7 for in vivo measurement of the RNA structure. Also more stable than 1M7 in water.  $\beta$ -mercaptoethanol terminates reaction. Cell permeable.

**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