
Product Data Sheet

Product Name: 6-Amino-5-nitropyridin-2-one

Cat. No.: GC30548

Chemical Properties

Cas. No. 211555-30-5

SMILES O=C1C=CC([N+])([O-])=O=C(N)N1Formula $C_5H_5N_3O_3$

M.Wt 155.11

Solubility Water : 2 mg/mL (12.89 mM)

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**

6-Amino-5-nitropyridin-2-one is a pyridine base and used as a nucleobase of hachimoji DNA, in which it pairs with 5-aza-7-deazaguanine[1].

[1]. Hoshika S, et al. Hachimoji DNA and RNA: A genetic system with eight building blocks. Science. 2019 Feb 22;363(6429):884-887.

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
