
Product Data Sheet

Product Name: 4-isocyanato TEMPO

Cat. No.: GC18853

Chemical Properties

Cas. No. 88418-69-3

Chemical Name 4-isocyanato-2,2,6,6-tetramethyl-1-piperidinyloxy

SMILES CC1(C)N([O])C(C)(C)CC(N=C=O)C1Formula $C_{10}H_{17}N_2O_2$ M.Wt 197.3

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): 10 mg/ml 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**

4-isocyanato TEMPO is a spin labeling reagent used to label the 2'-position in RNA. It has been used to study HIV-1 transactivation response RNA and hammerhead ribosome dynamics by electron paramagnetic resonance (EPR) spectroscopy.

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

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