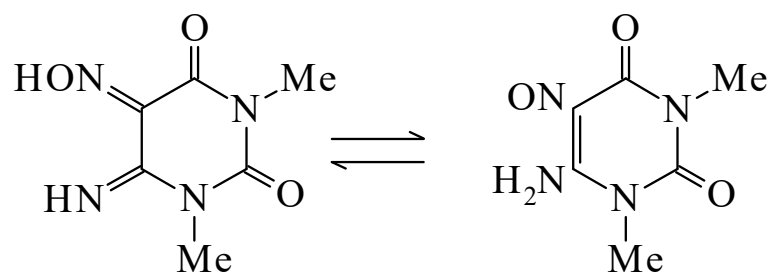




>>Entry Name: Daxime

Synonym(s): 6-Amino-1,3-dimethyl-5-nitroso-2,4(1*H*,3*H*)-pyrimidinedione, 9Cl



CAS Registry Number: 6632-68-4

Molecular Formula: C<sub>6</sub>H<sub>8</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 184.154

Accurate Mass: 184.059641

Percentage Composition: C 39.13%; H 4.38%; N 30.42%; O 26.06%

Use/Importance: Used as a 1% aq. soln. of Na salt for photometric detn. of Cu ( $\lambda_{\text{max}}$  382 nm,  $\epsilon$  5050)

Physical Description: Violet cryst.

Solubility: Sol. alkalis; spar. sol. H<sub>2</sub>O, Me<sub>2</sub>CO; insol. EtOH, CHCl<sub>3</sub>, dioxan, Et<sub>2</sub>O

Rare Chemicals Library: S43870-7

Sigma: A4754

#### References:

Burger, K., *Organic Reagents in Metal Analysis*, Akadémiai Kiadó, Budapest, 1973, (*detn*, Cu)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DPN400