

# Glycine, N-(aminoiminomethyl)-N-methyl-, hydrate (1:1)

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | N-(aminoiminomethyl)-N-methyl-Glycine, monohydrate<br>Creatine hydrate |
| <b>Inchi:</b>               | InChI=1S/C4H9N3O2.H2O/c1-7(4(5)6)2-3(8)9;/h2H2,1H3,(H3,5,6)(H,8,9);1H2 |
| <b>InchiKey:</b>            | MEJYXFHCRXAUIL-UHFFFAOYSA-N  |
| <b>Formula:</b>             | C4H9N3O2.H2O   |
| <b>SMILES:</b>              | CN(CC(=O)O)C(=N)N.O  |
| <b>Mol. weight [g/mol]:</b> | 149.15   |
| <b>CAS:</b>                 | 6020-87-7  |

## Physical Properties

| Property code | Value  | Unit    | Source       |
|---------------|--------|---------|--------------|
| ss            | 234.30 | J/mol×K | NIST Webbook |

## Temperature Dependent Properties

| Property code | Value  | Unit    | Temperature [K] | Source       |
|---------------|--------|---------|-----------------|--------------|
| cps           | 213.59 | J/mol×K | 298.40          | NIST Webbook |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6020877&Units=SI>

## Legend

**cps:** Solid phase heat capacity  
**ss:** Solid phase molar entropy at standard conditions

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