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## Typical Product Specifications & Properties

# Creatinine

CAS Number: : 60-27-5

Specifications	Limits
Molecular weight	113.12
EINECS	200-466-7
SMILES	<chem>C1(=N)N(CC(=O)N1)C</chem>
InChI	1S/C4H7N3O/c1-7-2-3(8)6-4(7)5/h2H2,1H3,(H2,5,6,8)
InChIKey	DDRJAANPRJIHGJ-UHFFFAOYSA-N
BRN Number	112061
Water solubility	SOLUBLE
Storage Temperature	2-8&deg;C
Flash Point	290 &deg;C
Solubility	1 M HCl: 0.1 g/mL at 20 &deg;C, clear
Stability	Stable. Incompatible with strong oxidizing agents.
Melting Point	295 &deg;C (dec.)



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Specifications	Limits
Merck	14,2569
Melting Point	300 dec &deg; C
Atmospheric OH Rate Constant	7.69E-11 cm <sup>3</sup> /molecule-sec
log P (octanol-water)	-1.76E+00
Water solubility	8.01E+04 mg/L
Vapor Pressure	2.17E-04 mm Hg
Henry's Law Constant	2.42E-12 atm-m <sup>3</sup> /mole
pKa Dissociation Constant	4.8
Color	White
Form	Crystalline Powder



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