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## Typical Product Specifications & Properties

# ammonium ethyl carbamoylphosphonate

CAS Number: : 25954-13-6

Specifications	Limits
Molecular weight	170.10
EINECS	247-363-3
SMILES	[NH4+].CCOP(=O)([O-])C(=O)N
InChI	OTSAMNSACVKIOJ-UHFFFAOYSA-N
InChIKey	1S/C3H8NO4P.H3N/c1-2-8-9(6,7)3(4)5;/h2H2,1H3,(H2,4,5)(H,6,7);1H3
Atmospheric OH Rate Constant	2.13E-11 cm <sup>3</sup> /molecule-sec
pKa Dissociation Constant	9.25
Water solubility	1.00E+06 mg/L
Melting Point	175 &deg; C
Vapor Pressure	3.98E-06 mm Hg
Henry's Law Constant	8.37E-23 atm-m <sup>3</sup> /mole
log P (octanol-water)	-5.980



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