

Silver nitrate

Other names:	nitric acid silver salt nitric acid silver(I) salt nitric acid, silver(1+) salt silver (I) nitrate silver mononitrate silver nitrate (AgNO ₃)
Inchi:	InChI=1S/Ag.NO3/c;2-1(3)4/q+1;-1
InchiKey:	SQGYOTSLMSWVJD-UHFFFAOYSA-N
Formula:	AgNO ₃
SMILES:	O=[N+](O-)[O][Ag]
Mol. weight [g/mol]:	169.87

Physical Properties

Property code	Value	Unit	Source
hf	51.83	kJ/mol	Cheméo Relay (1.0)
hvap	38.00	kJ/mol	Cheméo Relay (1.0)
ie	10.80	eV	Cheméo Relay (1.0)
tb	310.06	K	Cheméo Relay (1.0)
tf	212.17	K	Cheméo Relay (1.0)

Sources

Standard enthalpies of formation of the AgCs(NO₃)₂ and Ag₃Cs(NO₃)₄ compounds: <https://www.doi.org/10.1016/j.tca.2012.05.014>
Compressibility Studies of Some Copper(I), Silver(I), and Nickel(II) Ammonium Salts in Acetonitrile + Adiponitrile Binary Mixtures: <https://www.doi.org/10.1021/je900915p>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000530&Units=SI>
Cheméo Relay (1.0, beta):

Legend

hf: Enthalpy of formation at standard conditions

h_{vap}:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
t_b:	Normal Boiling Point Temperature
t_f:	Normal melting (fusion) point

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