

# caesium fluoride

<b>Other names:</b>	Cesium fluoride cesium fluoride (CsF) cesium monofluoride
<b>Inchi:</b>	InChI=1S/Cs.FH/h;1H/q+1;/p-1
<b>InchiKey:</b>	XJHCXCQVJFPJIK-UHFFFAOYSA-M
<b>Formula:</b>	CsF
<b>SMILES:</b>	[Cs+].[F-]
<b>Mol. weight [g/mol]:</b>	151.90
<b>CAS:</b>	13400-13-0

## Physical Properties

Property code	Value	Unit	Source
hfus	22.10	kJ/mol	A comprehensive study of the heat capacity of CsF from T = 5 K to T = 1400 K
ie	9.68 ± 0.05	eV	NIST Webbook
ie	8.80 ± 0.10	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	9.00 ± 0.20	eV	NIST Webbook
ie	8.80 ± 0.10	eV	NIST Webbook
ie	9.70	eV	NIST Webbook
tf	972.00	K	Thermodynamic determination and assessment of the CsF-ThF4 system

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.53539e+01
Coeff. B	-1.51489e+04
Coeff. C	-1.13050e+02
Temperature range (K), min.	985.15

