

# Molybdenum hexafluoride

<b>Other names:</b>	MoF6 Molybdenum fluoride Molybdenum fluoride (MoF6) Molybdenum fluoride (MoF6), (OC-6-11)-
<b>Inchi:</b>	InChI=1S/6FH.Mo/h6*1H;/q;;;;;;+6/p-6
<b>InchiKey:</b>	RLCOZMCCEKDUPY-UHFFFAOYSA-H
<b>Formula:</b>	F6Mo
<b>SMILES:</b>	F[Mo](F)(F)(F)(F)F
<b>Mol. weight [g/mol]:</b>	209.95
<b>CAS:</b>	7783-77-9

## Physical Properties

Property code	Value	Unit	Source
ie	14.50 ± 0.10	eV	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	27.40	kJ/mol	340.50	NIST Webbook

## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.42640e+01
Coeff. B	-2.34528e+03
Coeff. C	-6.40100e+01
Temperature range (K), min.	207.65
Temperature range (K), max.	307.15

# Sources

The Yaws Handbook of Vapor  
Pressure:  
NIST Webbook:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>  
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7783779&Units=SI>

# Legend

**hvapt:** Enthalpy of vaporization at a given temperature  
**ie:** Ionization energy  
**pvap:** Vapor pressure

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