

Actinium

Inchi: InChI=1S/Ac
InchiKey: QQINRWTZWGJFDB-UHFFFAOYSA-N
Formula: Ac
SMILES: [Ac]
Mol. weight [g/mol]: 227.00
CAS: 7440-34-8

Physical Properties

Property code	Value	Unit	Source
ie	5.17 ± 0.12	eV	NIST Webbook
ie	5.17	eV	NIST Webbook
ie	5.17 ± 0.12	eV	NIST Webbook
ie	5.17 ± 0.12	eV	NIST Webbook
ie	6.90 ± 0.60	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.83728e+01
Coeff. B	-4.77437e+04
Temperature range (K), min.	1873.00
Temperature range (K), max.	3471.15

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=C7440348&Units=SI>

Legend

ie: Ionization energy

pvap: Vapor pressure

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<https://www.cheméo.com/cid/34-909-5/Actinium.pdf>

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