

6-METHYLAMINO-9-METHYL PURINE

Other names:	6-Methylamino-9-methyl purine
Inchi:	InChI=1S/C7H9N5/c1-8-6-5-7(10-3-9-6)12(2)4-11-5/h3-4H,1-2H3,(H,8,9,10)
InchiKey:	GRDLXXJSRH DATN-UHFFFAOYSA-N
Formula:	C7H9N5
SMILES:	CNc1ncnc2c1ncn2C
Mol. weight [g/mol]:	163.18

Physical Properties

Property code	Value	Unit	Source
ie	7.95	eV	NIST Webbook
logp	0.405		Crippen Method
mcvol	120.470	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	115.50 ± 1.70	kJ/mol	352.50	NIST Webbook

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2009521&Units=SI>

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/22-420-0/6-METHYLAMINO-9-METHYL-PURINE.pdf>

Generated by Cheméo on 2026-07-21 21:14:15.981786697 +0000 UTC m=+179551.823672092.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.