

SILANE, BROMOTRIMETHYL-

Other names:	Trimethylsilyl bromide (CH ₃) ₃ SiBr Trimethylbromosilane Silane, bromotrimethyl- Trimethylsilicon bromide CT2928
Inchi:	InChI=1S/C3H9BrSi/c1-5(2,3)4/h1-3H3
InchiKey:	IYYIVELXUANFED-UHFFFAOYSA-N
Formula:	C ₃ H ₉ BrSi
SMILES:	C[Si](C)(C)Br
Mol. weight [g/mol]:	153.10

Physical Properties

Property code	Value	Unit	Source
hvap	31.93	kJ/mol	Cheméo Relay (1.0)
ie	10.00	eV	NIST Webbook
ie	9.80 ± 0.10	eV	NIST Webbook
ie	10.24 ± 0.02	eV	NIST Webbook
ie	10.23	eV	NIST Webbook
logp	2.216		Crippen Method
pc	3330.99	kPa	Cheméo Relay (1.0, beta)
rinpol	641.00		NIST Webbook
tb	349.53	K	Cheméo Relay (1.0)
tc	519.56	K	Cheméo Relay (1.0)
vc	0.352	m ³ /kmol	Cheméo Relay (1.0)

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2857978&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log_p:	Octanol/Water partition coefficient
p_c:	Critical Pressure
r_{inpol}:	Non-polar retention indices
t_b:	Normal Boiling Point Temperature
t_c:	Critical Temperature
v_c:	Critical Volume

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<https://www.chemeo.com/cid/33-611-6/SILANE-BROMOTRIMETHYL.pdf>

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