

Butyltrimethylstannane

Other names:	Butyltrimethylstannane Trimethylbutyltin Tin, butyltrimethyl-
Inchi:	InChI=1S/C4H9.3CH3.Sn/c1-3-4-2;;;;/h1,3-4H2,2H3;3*1H3;
InchiKey:	ISGCVUHZDITLMD-UHFFFAOYSA-N
Formula:	C7H18Sn
SMILES:	CCC[CH2][Sn]([CH3])([CH3])[CH3]
Mol. weight [g/mol]:	220.93

Physical Properties

Property code	Value	Unit	Source
af	0.2988		Cheméo Relay (1.0)
gf	-6.45	kJ/mol	Cheméo Relay (1.0, beta)
hf	-220.74	kJ/mol	Cheméo Relay (1.0)
hvap	38.93	kJ/mol	Cheméo Relay (1.0)
ie	8.97	eV	Cheméo Relay (1.0)
log10ws	-3.65		Cheméo Relay (1.0)
pc	2208.68	kPa	Cheméo Relay (1.0, beta)
rinpol	827.90		NIST Webbook
tb	381.17	K	Cheméo Relay (1.0)
tc	574.15	K	Cheméo Relay (1.0)
tf	224.38	K	Cheméo Relay (1.0)
vc	0.494	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1527997&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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