

Tris(di-n-butylthiocarbamato)arsenic(III)

Inchi:	InChI=1S/3C9H19NS2.As/c3*1-3-5-7-10(9(11)12)8-6-4-2;/h3*3-8H2,1-2H3,(H,11,12);/q;;
InchiKey:	HPQLPVAQQYKFFP-UHFFFAOYSA-K
Formula:	C ₂₇ H ₅₄ AsN ₃ S ₆
SMILES:	CCCCN(CCCC)C(=S)[S-].CCCCN(CCCC)C(=S)[S-].CCCCN(CCCC)C(=S)[S-].[AsH6+3]
Mol. weight [g/mol]:	688.05
CAS:	48233-55-2

Physical Properties

Property code	Value	Unit	Source
hsub	128.00 ± 3.00	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	861.00	J/mol×K	298.15	NIST Webbook
hfust	30.95	kJ/mol	397.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C48233552&Units=SI>

Legend

cps:	Solid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions

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