

Zinc, bis(diethylcarbamodithioato-S,S')-, (T-4)-

Other names:

Accelerator EZ powder
Ancazate ET
Bis(diethylcarbamodithioato-S,S') zinc
Bis(diethyldithiocarbamate)zinc complex
Bis(diethyldithiocarbamato)zinc
Carbamodithioic acid, diethyl-, zinc salt
Diethyldithiocarbamic acid zinc salt
Etazin
Ethasan
Ethazate
Ethyl Ziram
Ethyl cymate
Ethylzimate
Hermat ZDK
Nocceler EZ
Octocure ZDE-50
Perkacit ZDEC
Soxinol EZ
Vulcacure
Vulcacure ZE
Vulkacit LDA
Vulkacit ZDK
ZDC
ZDEC
Zimate, ethyl
Zinc N,N-diethyldithiocarbamate
Zinc bis(N,N-diethyldithiocarbamate)
Zinc bis(diethyldithiocarbamate)
Zinc diethylcarbamodithioate
Zinc diethyldithiocarbamate
Zinc, bis(diethyldithiocarbamato)-
Zinc, tetrakis(diethylcarbamodithioato)di-
bis(diethyldithiocarbamate)zinc(II)

Inchi: InChI=1S/2C5H11NS2.Zn/c2*1-3-6(4-2)5(7)8;/h2*3-4H2,1-2H3,(H,7,8);/q;;+2/p-2
InchiKey: RKQOSDAEEGPRER-UHFFFAOYSA-L
Formula: C10H20N2S4Zn
SMILES: CCN(CC)C1=[SH][Zn]2(S1)SC(N(CC)CC)=[SH]2
Mol. weight [g/mol]: 361.92
CAS: 14324-55-1

Physical Properties

Property code	Value	Unit	Source
hsub	115.00 ± 15.00	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	143.10	kJ/mol	422.50	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	3.31340e+01
Coeff. B	-1.72164e+04
Temperature range (K), min.	524.15
Temperature range (K), max.	618.80

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14324551&Units=SI
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
pvap:	Vapor pressure

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