

Tris(N,N-di-n-butylamino)phosphine

Other names:	Tris(dibutylamino)phosphine
Inchi:	InChI=1S/C24H54N3P/c1-7-13-19-25(20-14-8-2)28(26(21-15-9-3)22-16-10-4)27(23-17-1
InchiKey:	URQFNWOYQMPPKL-UHFFFAOYSA-N
Formula:	C24H54N3P
SMILES:	CCCCN(CCCC)P(N(CCCC)CCCC)N(CCCC)CCCC
Mol. weight [g/mol]:	415.68
CAS:	5848-65-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.40		Crippen Method
logp	7.920		Crippen Method
mcvol	399.420	ml/mol	McGowan Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	429.50 ± 1.50	K	0.04	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5848657&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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