

BENZALDEHYDE, 3,5-DIMETHOXY-4-[(TRIMETHYLSILYL)OXY]-

Other names:	Syringaldehyde, TMS Syringaldehyde, tms derivative Syringic aldehyde, TMS
Inchi:	InChI=1S/C12H18O4Si/c1-14-10-6-9(8-13)7-11(15-2)12(10)16-17(3,4)5/h6-8H,1-5H3
InchiKey:	RYSJAQSTIILRKM-UHFFFAOYSA-N
Formula:	C12H18O4Si
SMILES:	COc1cc(C=O)cc(OC)c1O[Si](C)(C)C
Mol. weight [g/mol]:	254.36

Physical Properties

Property code	Value	Unit	Source
hvap	71.63	kJ/mol	Cheméo Relay (1.0)
log10ws	-2.31		Cheméo Relay (1.0)
logp	2.730		Crippen Method
tb	570.40	K	Cheméo Relay (1.0)
tf	357.43	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6651623&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

tf: Normal melting (fusion) point

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