

Trichloro(ethoxy)silane

Other names: Silane, trichloroethoxy-
Inchi: InChI=1S/C2H5Cl3OSi/c1-2-6-7(3,4)5/h2H2,1H3
InchiKey: SELBPKHVKHQTIB-UHFFFAOYSA-N
Formula: C2H5Cl3OSi
SMILES: CCO[Si](Cl)(Cl)Cl
Mol. weight [g/mol]: 179.50
CAS: 1825-82-7

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-----------|------|----------------|
| ie | 11.30 | eV | NIST Webbook |
| log10ws | -3.63e-03 | | Crippen Method |
| logp | 2.175 | | Crippen Method |
| rinpol | 646.00 | | NIST Webbook |
| rinpol | 676.00 | | NIST Webbook |
| rinpol | 704.00 | | NIST Webbook |
| rinpol | 655.00 | | NIST Webbook |
| rinpol | 655.00 | | NIST Webbook |
| rinpol | 655.00 | | NIST Webbook |

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1825827&Units=SI>

Legend

ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/81-228-9/Trichloro-ethoxy-silane.pdf>

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