

# Silane, tributylchloro-

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Other names:         | Tributylchlorosilane<br>Chlorotributylsilane                        |
| Inchi:               | InChI=1S/C12H27ClSi/c1-4-7-10-14(13,11-8-5-2)12-9-6-3/h4-12H2,1-3H3 |
| InchiKey:            | JSQJUDVTRRCSRU-UHFFFAOYSA-N                                         |
| Formula:             | C12H27ClSi                                                          |
| SMILES:              | CCCC[Si](Cl)(CCCC)CCCC                                              |
| Mol. weight [g/mol]: | 234.88                                                              |
| CAS:                 | 995-45-9                                                            |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -3.05   |      | Crippen Method |
| logp          | 5.571   |      | Crippen Method |
| rinpol        | 1048.00 |      | NIST Webbook   |
| rinpol        | 1080.00 |      | NIST Webbook   |

## Sources

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                 |
| Crippen Method: | <a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>                         |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C995459&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C995459&amp;Units=SI</a> |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |
| rinpol:  | Non-polar retention indices         |

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