

# Germane, tetrapentyl-

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Other names:         | Tetrapentylgermane<br>Tetrapentylgermanium                                       |
| Inchi:               | InChI=1S/C20H44Ge/c1-5-9-13-17-21(18-14-10-6-2,19-15-11-7-3)20-16-12-8-4/h5-20H2 |
| InchiKey:            | PVVOYYQNPQNKGU-UHFFFAOYSA-N                                                      |
| Formula:             | C20H44Ge                                                                         |
| SMILES:              | CCCCC[Ge](CCCC)(CCCC)CCCC                                                        |
| Mol. weight [g/mol]: | 357.20                                                                           |
| CAS:                 | 3634-47-7                                                                        |

## Physical Properties

| Property code | Value | Unit | Source         |
|---------------|-------|------|----------------|
| log10ws       | -5.66 |      | Crippen Method |
| logp          | 8.196 |      | Crippen Method |

## 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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                           |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3634477&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3634477&amp;Units=SI</a> |

## Legend

|          |                                     |
|----------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |

Latest version available from:

<https://www.chemeo.com/cid/72-612-2/Germane-tetrapentyl.pdf>

Generated by Cheméo on 2025-12-05 13:19:33.015201148 +0000 UTC m=+4688970.545241802.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.