

Mucic acid, TMS # 2

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| Inchi: | InChI=1S/C24H58O8Si6/c1-33(2,3)27-19(21(29-35(7,8)9)23(25)31-37(13,14)15)20(28-34)16-18 |
| InchiKey: | AFNUGMFTFWKGLV-UHFFFAOYSA-N |
| Formula: | C ₂₄ H ₅₈ O ₈ Si ₆ |
| SMILES: | C[Si](C)(C)OC(=O)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)C |
| Mol. weight [g/mol]: | 643.23 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | 7.30 | | Crippen Method |
| logp | 6.623 | | Crippen Method |
| rinpol | 1988.00 | | NIST Webbook |
| rinpol | 1988.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=R401211&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

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|-----------------|-------------------------------------|
| 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/19-136-0/Mucic-acid-TMS-2.pdf>

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