

5-Hydroxyindole-3-acetic acid, tert-butyldimethylsilyl ether, tert-butyldimethylsilyl ester

Other names: 5-Hydroxyindoleacetic acid, 2thdms derivative
InChI: InChI=1S/C22H37NO3Si2/c1-21(2,3)27(7,8)25-17-11-12-19-18(14-17)16(15-23-19)13-20
InchiKey: GKGJAYRHFFVMTG-UHFFFAOYSA-N
Formula: C22H37NO3Si2
SMILES: CC(C)(C)[Si](C)(C)OC(=O)Cc1c[nH]c2ccc(O[Si](C)(C)C(C)(C)C)cc12
Mol. weight [g/mol]: 419.71

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.99		Crippen Method
logp	6.161		Crippen Method
rinpol	2682.60		NIST Webbook
rinpol	2682.60		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333516&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/38-835-3/5-Hydroxyindole-3-acetic-acid-tert-butyldimethylsilyl-ether-tert-butyldimethylsilyl-ester>

Generated by Cheméo on 2025-12-05 19:01:18.058343328 +0000 UTC m=+4709475.588383982.

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