

# 2-(1-Naphthyl-N-trimethylsilyl-carbamoyl)benzoic acid, trimethylsilyl ester

Other names: 2-[(1-Naphthalenyl-N-trimethylsilylamino)carbonyl] benzoic Acid, trimethylsilyl ester  
2-(1-Naphthylcarbamoyl)benzoic acid, 2TMS

**Inchi:** InChI=1S/C24H29NO3Si2/c1-29(2,3)25(22-17-11-13-18-12-7-8-14-19(18)22)23(26)20-15  
**InchiKey:** CAVAVTFJURSCMM-UHFFFAOYSA-N  
**Formula:** C24H29NO3Si2  
**SMILES:** C[Si](C)(C)OC(=O)c1cccc1C(=O)N(c1cccc2cccc12)[Si](C)(C)C  
**Mol. weight [g/mol]:** 435.66

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.17		Crippen Method
logp	6.313		Crippen Method
rinpol	2575.00		NIST Webbook
rinpol	2575.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U373350&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](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

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