

Adenosine-tetrakis(trimethylsilyl)-

Other names:

Adenosine-tetra-TMS
Adenine riboside, (4TMS)
Adenosine, 2',3',5',N6-tetrakis(O-TMSi)
Adenosine, (4TMS)
N6-TMS-Adenosine, 2',3',5'-tris-O-TMS
Adenosine, N-(trimethylsilyl)-2',3',5'-tris-O-(trimethylsilyl)-
Adenine riboside, TMS
adenosine, TMS
Adenosine, 4tms derivative

Inchi:

InChI=1S/C22H45N5O4Si4/c1-32(2,3)26-20-17-21(24-14-23-20)27(15-25-17)22-19(31-3

InchiKey:

ADQCPBJKGAVWKS-UHFFFAOYSA-N

Formula:

C22H45N5O4Si4

SMILES:

C[Si](C)(C)Nc1ncnc2c1ncn2C1OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]:

555.97

CAS:

53294-33-0

Physical Properties

Property code	Value	Unit	Source
log10ws	2.05		Crippen Method
logp	5.262		Crippen Method
rinpol	2647.00		NIST Webbook
rinpol	2647.00		NIST Webbook
rinpol	2625.80		NIST Webbook
rinpol	2654.00		NIST Webbook
rinpol	2668.00		NIST Webbook
rinpol	2664.00		NIST Webbook
rinpol	2647.00		NIST Webbook
rinpol	2664.00		NIST Webbook

Sources

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C53294330&Units=SI>

Legend

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

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