

Quartz (SiO₂)

Other names:	alpha-quartz Silicon oxide
Inchi:	InChI=1S/O2Si/c1-3-2
InchiKey:	VYPSYNLAJGMNEJ-UHFFFAOYSA-N
Formula:	O2Si
SMILES:	O=[Si]=O
Mol. weight [g/mol]:	60.08
CAS:	14808-60-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.31		Crippen Method
logp	-0.618		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14808607&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/70-312-7/Quartz-SiO2.pdf>

Generated by Cheméo on 2025-12-05 08:57:17.244897729 +0000 UTC m=+4673234.774938383.

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