

# 2-Thiophenecarboxylic acid, 2-naphthyl ester

**Inchi:** InChI=1S/C15H10O2S/c16-15(14-6-3-9-18-14)17-13-8-7-11-4-1-2-5-12(11)10-13/h1-10H  
**InchiKey:** APNMIWFFBATZDL-UHFFFAOYSA-N  
**Formula:** C15H10O2S  
**SMILES:** O=C(Oc1ccc2ccccc2c1)c1cccs1  
**Mol. weight [g/mol]:** 254.30

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.12		Crippen Method
logp	4.120		Crippen Method
mcvol	183.320	ml/mol	McGowan Method
rinpola	2263.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U308068&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpola:** Non-polar retention indices

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