

# 3H-1,2-Dithiole-3-thione, 5-(4-methoxyphenyl)-

<b>Other names:</b>	3H-1,2-Dithiole-3-thione, 5-(p-methoxyphenyl)- Anethole trithione Anetholtrithion Felviten Heporal 5-(p-Methoxyphenyl)-1,2-dithiocyclopenten-3-thione 5-(p-Methoxyphenyl)-3H-1,2-dithiole-3-thione 3-(p-Methoxyphenyl)trithione Mucinol SKF 1717 Sufralem Sulfarlem Sulfogal Sufralem Tiopropen Tiotrifar Trithio Trithioanethole Trithio-(p-methoxyphenyl)propene 5-(4-methoxyphenyl)-3H-1,2-dithiole-3-thione
<b>Inchi:</b>	InChI=1S/C10H8OS3/c1-11-8-4-2-7(3-5-8)9-6-10(12)14-13-9/h2-6H,1H3
<b>InchiKey:</b>	KYLIZBIRMBGUOP-UHFFFAOYSA-N
<b>Formula:</b>	C10H8OS3
<b>SMILES:</b>	<chem>COc1ccc(-c2cc(=S)ss2)cc1</chem>
<b>Mol. weight [g/mol]:</b>	240.37
<b>CAS:</b>	532-11-6

## Physical Properties

Property code	Value	Unit	Source
ie	8.11	eV	NIST Webbook
log10ws	-4.56		Crippen Method
logp	4.215		Crippen Method
mcvol	163.460	ml/mol	McGowan Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	24.39	kJ/mol	382.20	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C532116&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C532116&amp;Units=SI</a>

## Legend

<b>hfust:</b>	Enthalpy of fusion at a given temperature
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume

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