

# Terbumeton

**Other names:**

1,3,5-Triazine-2,4-diamine, N-(1,1-dimethylethyl)-N'-ethyl-6-methoxy-  
1,3,5-Triazine-2,4-diamine, N2-(1,1-dimethylethyl)-N4-ethyl-6-methoxy-  
2-Methoxy-4-tert-butylamino-6-aethylamino-s-triazin  
2-tert-Butylamino-4-ethylamino-6-methoxy-1,3,5-triazine  
2-tert-Butylamino-4-ethylamino-6-methoxy-s-triazine  
A 2591  
Caragard  
GS 14259  
Karagard  
N-tert-Butyl-N'-ethyl-6-methoxy-[1,3,5]triazin-2,4-diamin  
N-tert-Butyl-N'-ethyl-6-methoxy-[1,3,5]triazin-2,4-diamine  
Terbutylon  
Terbutone  
Tribunil G 14259

**Inchi:** InChI=1S/C10H19N5O/c1-6-11-7-12-8(15-10(2,3)4)14-9(13-7)16-5/h6H2,1-5H3,(H2,11,1  
**InchiKey:** BCQMBFHBDZVHKU-UHFFFAOYSA-N  
**Formula:** C10H19N5O  
**SMILES:** CCN=c1nc(NC(C)(C)C)[nH]c(OC)n1  
**Mol. weight [g/mol]:** 225.29  
**CAS:** 33693-04-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.24		Aqueous Solubility Prediction Method
log10ws	-3.24		Estimated Solubility Method
logp	0.462		Crippen Method
mvol	183.770	ml/mol	McGowan Method
ripol	2570.00		NIST Webbook
ripol	2598.00		NIST Webbook
ripol	2570.00		NIST Webbook
ripol	2570.00		NIST Webbook
tf	396.65	K	Aqueous Solubility Prediction Method

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# Sources

<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=C33693048&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C33693048&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Aqueous Solubility Prediction Method:</b>	<a href="http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa">http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa</a>
<b>Estimated Solubility Method:</b>	<a href="http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt">http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt</a>

# Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>ripol:</b>	Polar retention indices
<b>tf:</b>	Normal melting (fusion) point

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