

# Flutamide

**Other names:**

4'-Nitro-3'-trifluoromethylisobutyranilide  
4-Nitro-3-(trifluoromethyl)isobutyranilide  
Cebatrol, veterinary  
Eulexin  
NFBA  
NSC 215876  
Niftholide  
Niftolide  
Propanamide, 2-methyl-N-[4-nitro-3-(trifluoromethyl)phenyl]-  
Sch 13521  
m-Propionotoluidide, 2-methyl-4'-nitro-«alpha», «alpha», «alpha»-trifluoro-  
m-Propionotoluidide, 2-methyl-4'-nitro-Â«alphaÂ», Â«alphaÂ», Â«alphaÂ»-trifluoro-  
m-Propionotoluidide, «alpha», «alpha», «alpha»-trifluoro-2-methyl-4'-nitro-  
m-Propionotoluidide, Â«alphaÂ», Â«alphaÂ», Â«alphaÂ»-trifluoro-2-methyl-4'-nitro-  
«alpha», «alpha», «alpha»-Trifluoro-2-methyl-4'-nitro-m-propionotoluidide  
Â«alphaÂ», Â«alphaÂ», Â«alphaÂ»-Trifluoro-2-methyl-4'-nitro-m-propionotoluidide

**Inchi:** InChI=1S/C11H11F3N2O3/c1-6(2)10(17)15-7-3-4-9(16(18)19)8(5-7)11(12,13)14/h3-6H,1**InchiKey:** MKXKFYHWDHIYRV-UHFFFAOYSA-N**Formula:** C11H11F3N2O3**SMILES:** CC(C)C(O)=Nc1ccc([N+](=O)[O-])c(C(F)(F)F)c1**Mol. weight [g/mol]:** 276.21**CAS:** 13311-84-7

## Physical Properties

Property code	Value	Unit	Source
hf	-749.70	kJ/mol	Joback Method
hvap	76.21	kJ/mol	Joback Method
log10ws	-4.21		Crippen Method
logp	3.858		Crippen Method
mcvol	176.370	ml/mol	McGowan Method
pc	2318.07	kPa	Joback Method
tb	802.44	K	Joback Method
tc	1020.86	K	Joback Method

tf

384.00

K

Solubilities of Flutamide,  
Dutasteride, and  
Finasteride as  
Antiandrogenic Agents, in  
Supercritical Carbon  
Dioxide: Measurement and  
Correlation

## Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</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=C13311847&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13311847&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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>Solubilities of Flutamide, Dutasteride, and Finasteride as Antiandrogenic Agents, in Supercritical Carbon Dioxide: Measurement and Correlation:</b>	<a href="https://www.doi.org/10.1021/je900520a">https://www.doi.org/10.1021/je900520a</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>m<sub>cvol</sub>:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/78-923-1/Flutamide.pdf>

Generated by Cheméo on 2024-04-20 07:54:22.167572812 +0000 UTC m=+15888911.088150133.

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