

# Mofebutazone

**Other names:**

3,5-Pyrazolidinedione, 4-butyl-1-phenyl-

Arcobutine

Butazone

Mobutazon

Mobutazone

Mobuzon

Monazan

Monobutyl

Monofen

Monomil

Monophenylbutazone

Monorheumetten

Monozon

Mophebutazone

Mozol

Reumatox

4-Butyl-3,5-diketo-1-phenylpyrazolidine

Arcomonol tablets

Corbuton

4-Butyl-1-phenyl-3,5-dioxopyrazolidine

4-Butyl-1-phenyl-3,5-pyrazolidinedione

2 Fdbp

Mofesal

Monazon

2-Phenyl-3,5-dihydroxy-4-butylpyrazolidine

NSC 73725

1-Phenyl-4-butyl-3,5-pyrazolidinedione

4-Butyl-1-phenyl-pyrazolidine-3,5-dione

**Inchi:**

InChI=1S/C13H16N2O2/c1-2-3-9-11-12(16)14-15(13(11)17)10-7-5-4-6-8-10/h4-8,11H,2-

**InchiKey:**

REOJLIXKJWXUGB-UHFFFAOYSA-N

**Formula:**

C13H16N2O2

**SMILES:**CCCCC1C(=O)NN(c2ccccc2)C1=O**Mol. weight [g/mol]:**

232.28

**CAS:**

2210-63-1

## Physical Properties

**Property code****Value****Unit****Source**

log10ws	-2.86		Crippen Method
logp	1.871		Crippen Method
mcvol	182.510	ml/mol	McGowan Method
rinpola	2142.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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=C2210631&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2210631&amp;Units=SI</a>
<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>

## 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>rinpola:</b>	Non-polar retention indices

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