Oxyphenbutazone

Other names:

1-(p-Hydroxyphenyl)-2-phenyl-3,5-dioxo-4-N-butylpyrazolidine

1-(p-Hydroxyphenyl)-2-phenyl-4-butyl-3,5-pyrazolidinedione

1-Phenyl-2-(p-hydroxyphenyl)-3,5-dioxo-4-butylpyrazolidine

1-Phenyl-2-(p-hydroxyphenyl)-3,5-dioxo-4-n-butylpyrazolidine

3,5-Dioxo-1-phenyl-2-(p-hydroxyphenyl)-4-N-butylpyrazolidene

3,5-Pyrazolidinedione, 4-butyl-1-(4-hydroxyphenyl)-2-phenyl-

3,5-Pyrazolidinedione, 4-butyl-1-(p-hydroxyphenyl)-2-phenyl-

4-Butyl-1-(4-hydroxyphenyl)-2-phenyl-3,5-pyrazolidinedione

4-Butyl-1-(p-hydroxyphenyl)-2-phenyl-3,5-pyrazolidinedione

4-Butyl-2-(4-hydroxyphenyl)-1-phenyl-3,5-dioxopyrazolidine

4-Butyl-2-(p-hydroxyphenyl)-1-phenyl-3,5-pyrazolidinedione

Artroflog

BM 1

Butaflogin

Butanova

Butapirone

Butazonic

Butilene

Californit

Crovaril

Deflogin

Etrozolidina

Flamaril

Flanaril

Flogal

Floghene

Flogistin

Flogitolo

Flogodin

Flogoril

Flogostop

Flopirina

Frabel

G 27202

Idrobutazina

Infamil

Infammil

Ipabutona

Iridil

Isobutazina

Isobutil

Metabolite I

Mysite

Neo-Farmadol

Neofen

Offitril

Optimal

Oxalid

Oxazolidin

Oxazolidin-Geigy

Oxi-Fenibutol

Oxibutol

Oxifenylbutazon

Oxiphenbutazone

Oxybuton

Oxyphenobutazone

Oxyphentamin

Oxyphenylbutazone

Pirabutina

Piraflogin

Poliflogil

Rapostan

Remazin

Reumox

Romaxin

Rumapax

Suganril

Tandacote

Tandalgesic

Tandearil

Tanderal

Tanderil

Telidal

Tendearil

USAF GE-14

Valioil

Visubutina

p-Hydroxyphenylbutazone

p-Oxyphenylbutazone

Inchi: InChI=1S/C19H20N2O3/c1-2-3-9-17-18(23)20(14-7-5-4-6-8-14)21(19(17)24)15-10-12-16

InchiKey: HFHZKZSRXITVMK-UHFFFAOYSA-N

Formula: C19H20N2O3

SMILES: CCCCC1C(=O)N(c2ccccc2)N(c2ccc(O)cc2)C1=O

Mol. weight [g/mol]:   324.37
CAS: 129-20-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.73		Aqueous Solubility Prediction Method
log10ws	-3.73		Estimated Solubility Method
logp	3.493		Crippen Method
mcvol	249.160	ml/mol	McGowan Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Aqueous Solubility Prediction Method: http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa
Estimated Solubility Method: http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C129204&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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