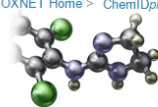


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Start New Query | Modify Query | Search History | Show Query
Switch to Summary View

Substance Name: Phenacemide [USP:INN:BAN]

RN: 63-98-9

InChIKey: XPFRXWCYUEORT-UHFFFAOYSA-N

Note

Anti-epileptic drug.

Anticonvulsant

Drug / Therapeutic Agent

Classification Codes

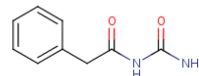
Reproductive Effect

Molecular Formula

C₉H₁₀N₂O₂

Molecular Weight

178.19



Navigation icons: Back, Forward, Home, Na+, Search, 3D

All | Links to Resources | Names & Synonyms | Registry Numbers | Structure Descriptors | Toxicity | Physical Properties

Links to Resources

NLM Resources (File Locators)

- DART, EINECS, HSDB, MeSH, RTECS, PubChem, TOXLINE, DrugPortal, PubMed, PubMed Toxicology, MedlinePlusAll

Regulatory Agencies (Superlist Locators)

- CA65, Maine CHC

Other Resources (Internet Locators)

- EPA Envirofacts, EPA SRS, EPA ACToR, Drugs@FDA, NIST WebBook

Search for this InChIKey on the Web

Names and Synonyms

Name of Substance

- Phenacemide, Phenacemide [USP:INN:BAN]

Synonyms

- (Phenylacetyl)urea, 4-09-00-01636 (Beilstein Handbook Reference), A-1348, Acetylureum, Benzeneacetamide, N-(aminocarbonyl)-, BRN 2048735, Carbamide phenylacetate, Carbanmide, Cetylureum, Comitiadone, Eferon, Efron, EINECS 200-570-2, Epheron, Epiclase, Felurea, Fenacemid, Fenacemida, Fenacemida [INN-Spanish], Fenacemide, Fenacemide [DCIT], Fenacetamide, Fenacetil-karbamide, Fenilep, Fenised, Fenostenyl, Fenural, Fenurea, Fenurone, Fenylacetylmocovina, Fenylacetylmocovina [Czech], Fenytan, HSDB 3380, N-(Aminocarbonyl)benzeneacetamid, Neophedan, Neophenal, NSC 39458, Phacetur, Phenacalum, Phenacemide, Phenacemidum, Phenacemidum [INN-Latin], Phenacereum, Phenacerum, Phenacetur, Phenacetylcarbamide, Phenacetylurea, Phenarone, Phenicarb, Phenuron, Phenurone, Phenutal, Phenylacetyluree, Phenylacetyluree [French], Phenylethylacetylurea, Phenylrit, Phetylureum, Trioxanona, UNII-PAI7J52V09, Urea, (phenylacetyl)-

Systematic Names

- Benzeneacetamide, N-(aminocarbonyl)-, Phenacemide, Urea, (phenylacetyl)-

Superlist Name

- Phenacemide

Registry Numbers

CAS Registry Number

- 63-98-9

System Generated Number

- 0000063989

Structure Descriptors

InChI

1S/C9H10N2O2/c10-9(13)11-8(12)6-7-4-2-1-3-5-7/h1-5H,6H2,(H3,10,11,12,13)

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InChIKey

XPFRXWCYUEORT-UHFFFAOYSA-N

Search the web for this InChIKey

Smiles

c1(CC(=O)NC(=O)N)cccc1

Search the web for this molecule

Smiles

c1(CC(=O)NC(=O)N)ccccc1

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Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
cat	LDLo	oral	23m/kg (2000mg/kg)		"Drug Dosages in Laboratory Animals - A Handbook," Rev. ed., Barnes, C.D., and L.G. Eltherington, Berkeley, Univ. of California Press, 1973Vol. -, Pg. 188, 1973.
dog	LDLo	oral	3500mg/kg (3500mg/kg)		"Drug Dosages in Laboratory Animals - A Handbook," Rev. ed., Barnes, C.D., and L.G. Eltherington, Berkeley, Univ. of California Press, 1973Vol. -, Pg. 188, 1973.
guinea pig	LD50	oral	882mg/kg (882mg/kg)		Archives Internationales de Pharmacodynamie et de Therapie. Vol. 91, Pg. 437, 1952. Link to PubMed
mouse	LD50	intraperitoneal	1550mg/kg (1550mg/kg)		Research Progress in Organic-Biological and Medicinal Chemistry. Vol. 2, Pg. 309, 1970.
mouse	LD50	oral	987mg/kg (987mg/kg)	BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) BEHAVIORAL: ALTERED SLEEP TIME (INCLUDING CHANGE IN RIGHTING REFLEX) BEHAVIORAL: COMA	Arzneimittel-Forschung. Drug Research. Vol. 18, Pg. 524, 1968 Link to PubMed
rabbit	LD50	intraperitoneal	2500mg/kg (2500mg/kg)		"Psychotropic Drugs and Related Compounds," 2nd ed., Usdin, E., and D.H. Efron, Washington, DC, 1972Vol. -, Pg. 366, 1972.
rabbit	LD50	oral	2500mg/kg (2500mg/kg)		"Psychotropic Drugs and Related Compounds," 2nd ed., Usdin, E., and D.H. Efron, Washington, DC, 1972Vol. -, Pg. 366, 1972.
rat	LD50	oral	1600mg/kg (1600mg/kg)		Acta Biologica et Medica Germanica. Vol. 2, Pg. 335, 1959. Link to PubMed

Physical Properties

Physical Property	Value	Units	Temp (deg C)	Source
Melting Point	215	deg C		EXP
log P (octanol-water)	0.87	(none)		EXP
Water Solubility	1.02E+04	mg/L	25	EST
Vapor Pressure	8.94E-08	mm Hg	25	EST
Henry's Law Constant	8.71E-12	atm-m ³ /mole	25	EST
Atmospheric OH Rate Constant	7.55E-12	cm ³ /molecule-sec	25	EST

Physical property data is provided to ChemDplus by Syracuse Research Corporation.

See all available property data for this compound, including references.