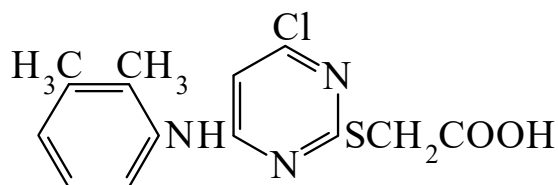




>>Entry Name: Pirinixic acid, INN

Synonym(s): [[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]thio]acetic acid, 9Cl. [[4-Chloro-6-(2,3-xylidino)-2-pyrimidinyl]thio]acetic acid. Wy 14643



CAS Registry Number: 50892-23-4

Molecular Formula: C₁₄H₁₄ClN₃O₂S

Molecular Weight: 323.802

Accurate Mass: 323.049524

Percentage Composition: C 51.93%; H 4.36%; Cl 10.95%; N 12.98%; O 9.88%; S 9.90%

Biological Use/Importance: Peroxisome proliferator activated receptor (PPAR-α) agonist. Antihyperlipidaemic agent

Physical Description: Cryst. (EtOAc)

Development Status: Never marketed

Melting Point: Mp 150-153°

Calculated Log P Data: Log P 3.82 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 4150 mg/kg. Exp. carcinogen

Sigma: C7081

>>Derivative: Et ester

Molecular Formula: C₁₆H₁₈ClN₃O₂S

Molecular Weight: 351.856

Percentage Composition: C 54.62%; H 5.16%; Cl 10.08%; N 11.94%; O 9.09%; S 9.11%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 87-91°

References:

Santilli, A.A. *et al.*, *Experientia*, 1974, **30**, 1110, (*synth, pharmacol*)

D'Atri, G. *et al.*, *J. Med. Chem.*, 1984, **27**, 1621, (*synth*)

Biegel, L.B. *et al.*, *Fundam. Appl. Toxicol.*, 1992, **19**, 590, (*tox*)

Peroxisomes: Biology and Importance in Toxicology and Medicine, (Eds. Gibson, G. *et al*) Taylor and Francis, 1993, (*book*)

Teruel, T. *et al.*, *Biochem. Biophys. Res. Commun.*, 2000, **273**, 560-564, (*pharmacol*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CLW250