

Product Name: WY 14643

Catalog No.: 1312

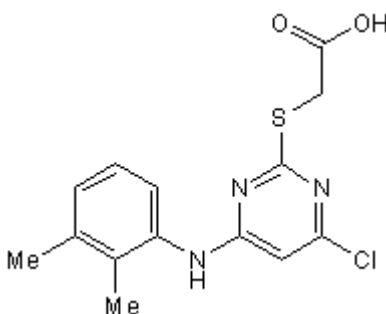
Batch No.: 6

CAS Number: 50892-23-4

IUPAC Name: [[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]thio]acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₄ClN₃O₂S
Batch Molecular Weight: 323.8
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.93	4.36	12.98
Found	51.98	4.39	12.93

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Selective PPAR α agonist (EC₅₀ values are 0.63, 32 and > 100 μ M at PPAR α , PPAR γ and PPAR δ respectively). Negatively inhibits NF- κ B transcriptional activity and decreases the inflammatory response in vitro and in vivo.

Physical and Chemical Properties:

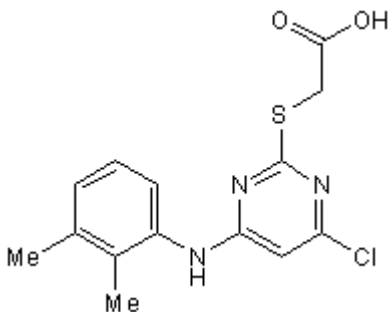
Batch Molecular Formula: C₁₄H₁₄ClN₃O₂S

Batch Molecular Weight: 323.8

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Forman et al (1997) Hypolipidemic drugs, polyunsaturated fatty acids, and eicosanoids are ligands for peroxisome proliferator-activated receptors α and δ . Proc.Natl.Acad.Sci.U.S.A. **94** 4312. PMID: 9113986.

Willson et al (2000) The PPARs: from orphan receptors to drug discovery. J.Med.Chem. **43** 527. PMID: 10691680.

Bishop-Bailey (2000) Peroxisome proliferator-activated receptors in the cardiovascular system. Br.J.Pharmacol. **129** 823. PMID: 10696077.

Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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