



>>Entry Name: 1,10-Bis(2-hydroxyethylthio)decane

Synonym(s): 2,2'-[1,10-Decanediy]bis(thio)]bisethanol, 9Cl. 2,2'-(Decamethylenedithio)diethanol, 8Cl. **Tiadenol**, INN. Delipid. Endol. Eulip. Fonlipol. Millaterol. Norlipol. Tiacclar. Tiaterol. LL 1558. Many other names

CAS Registry Number: 6964-20-1

HOCH₂CH₂S(CH₂)₁₀SCH₂CH₂OH

Molecular Formula: C₁₄H₃₀O₂S₂

Molecular Weight: 294.522

Accurate Mass: 294.16872

Percentage Composition: C 57.09%; H 10.27%; O 10.86%; S 21.77%

Use/Importance: Antihyperlipidaemic agent

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 69.5°

Calculated Log P Data: Log P 3.57 (calc)

Hazard & Toxicity: Peroxisome proliferator

>>Derivative: Bis[2-(4-chlorophenoxy)-2-methylpropanoyl]

Synonym(s): **Tiafibrate**, INN. Tiadenol clofibrate. HL 74/2

CAS Registry Number: 55837-28-0

Molecular Formula: C₃₄H₄₈Cl₂O₆S₂

Molecular Weight: 687.787

Accurate Mass: 686.226934

Percentage Composition: C 59.38%; H 7.03%; Cl 10.31%; O 13.96%; S 9.32%

Use/Importance: Antihyperlipidaemic agent

Physical Description: Light-yellow oil

Development Status: Never marketed

Boiling Point: Bp_{0.5} 224-226°

Calculated Log P Data: Log P 11.3 (uncertain value) (calc)

>>Derivative: Bis(3-pyridinecarbonyl)

Synonym(s): **Tiadenol nicotinate**

CAS Registry Number: 41891-94-5

Molecular Formula: C₂₆H₃₆N₂O₄S₂

Molecular Weight: 504.713

Accurate Mass: 504.211648

Percentage Composition: C 61.87%; H 7.19%; N 5.55%; O 12.68%; S 12.71%

Use/Importance: Lipid regulating agent

Physical Description: Cryst. (MeOH)

Melting Point: Mp 72-73°

Calculated Log P Data: Log P 6.07 (calc)

References:

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Fr. Pat., 1973, *Laboratoire L Lafon*, 2 146 138; *CA*, **79**, 41919f, (*nicotinate*)

U.K. Pat., 1978, *Juste*, 1 522 577; *CA*, **90**, 203705q, (*Tiafibrate*)

Saba, D. *et al.*, *Curr. Ther. Res.*, 1980, **27**, 677, (*pharmacol*)

Gaion, R.M. *et al.*, *Drugs Exp. Clin. Res.*, 1985, **11**, 407, (*pharmacol*)

Maffei-Facino, R. *et al.*, *Arzneim.-Forsch.*, 1986, **36**, 722, (*metab*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 3376, (*synonyms*)

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