
Product Data Sheet

Product Name: Pirinixil (BR-931)

Cat. No.: GC31488

Chemical Properties

Cas. No. 65089-17-0

SMILES O=C(NCCO)CSC1=NC(NC2=CC=CC(C)=C2C)=CC(Cl)=N1Formula C16H19ClN4O2S M.Wt 366.87

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Protocol****Animal experiment:**

Male Sprague-Dawley rats, weighing 220 to 230 g at the start of each experiment, are used in all studies. They are kept in an air-conditioned environment, with controlled lighting and free access to water. Dietary treatments are (A) standard diet for rats and (B) 2% cholesterol+2% cholic acid regimen. Both diets are administered ad libitum, respectively for 1 and 2 weeks (standard diet) and for 2 weeks (cholesterolcholic acid diet). Groups of 5 rats in each of the 3 experiments (1 and 2 weeks with the standard diet, 2 weeks with the cholesterol-cholic acid diet) are administered Pirinixil daily in carboxymethylcellulose vehicle by gastric intubation, at the doses of 20 mg/kg. Controls are given a similar volume of vehicle daily by intubation[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. D'Atri G, et al. Clofibrate, pirinixil (BR 931) and WY-14,643 do not affect body cholesterol in Sprague-Dawley rats. Atherosclerosis. 1980 Nov;37(3):475-83.

[2]. Kritchevsky D, et al. Increased plasma cholesterol and decreased body lipid levels in Wistar rats following pirinixil(BR 931) treatment. Pharmacol Res Commun. 1979 Jun;11(6):475-82.

Background

Pirinixil is a hypolipidemic agent of low toxicity.

Pirinixil is a hypolipidemic agent of low toxicity. Total cholesterol is reduced by Pirinixil in the spleen, kidney and heart of rats. Pirinixil decreases the estimated total body

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cholesterol approximately 40%[1]. Pirinixil increases plasma cholesterol levels significantly without affecting plasma triglycerides. Liver cholesterol and triglycerides are markedly reduced by Pirinixil, while combined plasma and liver lipid levels decrease approximately 20%. Liver HMG-CoA reductase activity is not affected, but cholesterol 7 α -hydroxylase is significantly reduced by Pirinixil[2].

[1]. D'Atri G, et al. Clofibrate, pirinixil (BR 931) and WY-14,643 do not affect body cholesterol in Sprague-Dawley rats. *Atherosclerosis*. 1980 Nov;37(3):475-83. [2]. Kritchevsky D, et al. Increased plasma cholesterol and decreased body lipid levels in Wistar rats following pirinixil(BR 931) treatment. *Pharmacol Res Commun*. 1979 Jun;11(6):475-82.

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