

## WY-14643, PPAR $\alpha$ agonist

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Catalog	Unit
TBI1137-50MG	50 mg
TBI1137-250MG	250 mg

### Product Details

**Formal Name:** 4-Chloro-6-(2,3-xylidino)-2-pyrimidinylthioacetic acid

**Alternate Names:** Pirinixic acid

**Molecular Formula:** C<sub>14</sub>H<sub>14</sub>ClN<sub>2</sub>O<sub>2</sub>S

**Formula Weight:** 323.80

**CAS Number:** 50892-23-4

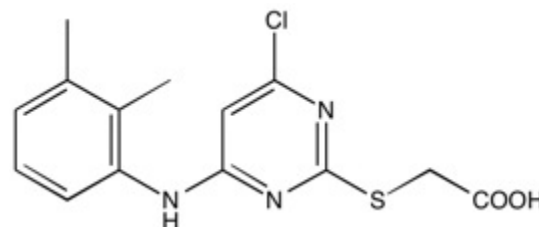
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml).

**Storage:** RT

**Stability:**  $\geq$  2 years.



### Applications

PPAR $\alpha$  agonist

### Functions

Selective PPAR $\alpha$  agonist (EC<sub>50</sub>=0.63, 32 and >100  $\mu$ M for PPAR $\alpha$ , $\gamma$  and  $\delta$ , respectively). Displays anti-inflammatory activity and reduces LPS-induced inflammation in alveolar epithelial cells. Induces “browning” of white adipocytes in combined treatment with retinoic acid. Stimulates ADAM10-mediated proteolysis of amyloid precursor protein in a mouse model. Down regulates NF $\kappa$ B transcriptional activity. Review.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 6 months.

**For research use only.**