

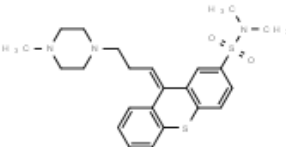
## Certificate of Analysis

|        |  |
|--------|--|
| Target | Inhibitors & Agonists>>GPCR>>Dopamine Receptor |
| Cat.No | DC11362  |
| Name   | Thiothixene                                    |

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## Chemical Properties

|           |   |
|-----------|---|
| CAS       | 5591-45-7   |
| Formula   | C <sub>23</sub> H <sub>29</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>  |
| MW        | 443.6   |
| Storage   | 2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO   |
| Structure |  <p>The chemical structure of Thiothixene is shown. It features a central benzothiazine ring system. One nitrogen atom is substituted with a methyl group (H<sub>3</sub>C). The benzothiazine ring is connected via a propyl chain to a piperazine ring, which also has a methyl group on one of its nitrogens. The benzothiazine ring is also substituted with a methylamino group (N(CH<sub>3</sub>)<sub>2</sub>) and a sulfonamide group (SO<sub>2</sub>NH<sub>2</sub>).</p> |
| Purity    | >98%  |

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