

Thiothixene, Efferocytosis stimulator

Catalog	Unit
TBI3998-5MG	5 mg
TBI3998-25MG	25 mg

Product Details

Formal Name: ((Z)-N,N-Dimethyl-9-[3-(4-methyl-1-piperazinyl)propylidene]thioxanthene-2-sulfonamide

Molecular Formula: C₂₃H₂₉N₃O₂S₂

Formula Weight: 443.6

CAS Number: 3313-26-6

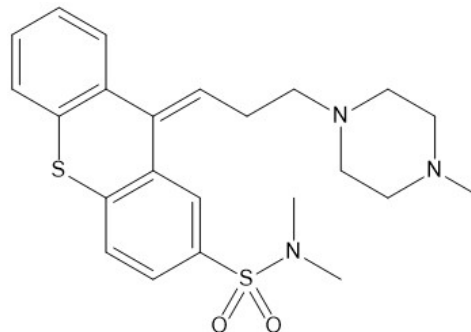
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to at least 20 mg/ml, warm)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Efferocytosis stimulator

Functions

Clinically useful typical antipsychotic. It acts as an antagonist at multiple receptors including dopamine D₂ and D₃ (sub-nanomolar), histamine H₁, serotonin 5-HT₇, and α_{1/2}-adrenergic. Stimulates efferocytosis, the phagocytic removal of apoptotic cells by macrophages, *via* increased expression of the retinol-binding protein receptor Stra6L leading to arginase 1 production. Potential new use for an old drug to facilitate the removal of diseased tissue.

Application Procedures

First dissolved in Soluble in DMSO (up to at least 20 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.