

Quetiapine hemifumarate, Atypical antipsychotic agent

Catalog	Unit
TBI2587-50MG	50 mg
TBI2587-500MG	500 mg

Product Details

Formal Name: 2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol hemifumarate

Alternate Names: ICI-204636

Molecular Formula: C₂₁H₂₅N₃O₂S·0.5C₄H₄O₄

Formula Weight: 441.54

CAS Number: 111974-72-2

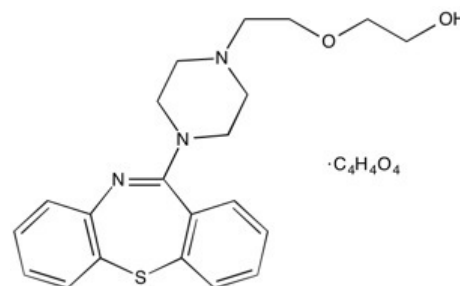
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: RT

Stability: ≥ 1 year.



Applications

Atypical antipsychotic agent

Functions

Atypical antipsychotic agent. Antagonist at serotonin (5-HT₂) and dopamine (D₂) receptors, IC₅₀s=148 and 329 nM respectively. Reverses depressive-like behavior and reduces DNA methyltransferase activity induced by maternal deprivation in a rat model. Efficacious as a monotherapy in the treatment of posttraumatic stress disorder.

Application Procedures

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

For research use only.