

Catalog	Unit
TBI2588-50MG	50 mg
TBI2588-250MG	250 mg

Product Details

Formal Name: 11-(1-Piperaziny1)-dibenzo[b,f][1,4]thiazepine dihydrochloride

Molecular Formula: C₁₇H₁₇N₃S 2HCl

Formula Weight: 368.32

CAS Number: 111974-74-4

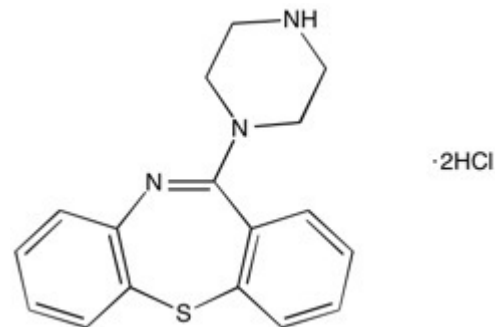
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO, methanol and water

Storage: RT

Stability: ≥ 1 year.



Applications

Quetiapine metabolite; Norepinephrine transport inhibitor

Functions

Pharmacologically active metabolite of quetiapine. Exhibits distinct pharmacological activity from quetiapine and plays an important role in its antidepressant activity. Activates ERK1/2 and induces release of BDNF in C6 glioma cells which may contribute to the antidepressant properties of quetiapine. Inhibits the norepinephrine transporter which may contribute to the antipsychotic activity of quetiapine.

Application Procedures

First dissolved in DMSO, methanol and water, then diluted to aqueous buffer. Solutions in DMSO, methanol, or distilled water may be stored at -20°C for up to 3 months.

For research use only.