

# Quetiapine (fumarate)

Catalog No: tcsc0708



## Available Sizes

Size: 1g

Size: 5g



## Specifications

### CAS No:

111974-72-2

### Formula:

$C_{23}H_{27}N_3O_4S$

### Pathway:

GPCR/G Protein;Neuronal Signaling;Neuronal Signaling;GPCR/G Protein

### Target:

Dopamine Receptor;Dopamine Receptor;5-HT Receptor;5-HT Receptor

### Purity / Grade:

>98%

### Solubility:

H<sub>2</sub>O : 1.25 mg/mL (2.83 mM; Need ultrasonic); DMSO : 50 mg/mL (113.24 mM; Need ultrasonic)

### Observed Molecular Weight:

441.54

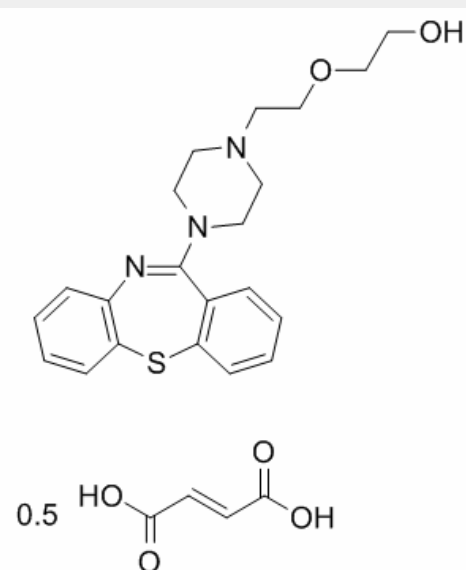
## Product Description

Quetiapine fumarate is an atypical antipsychotic used in the treatment of schizophrenia, bipolar I mania, bipolar II depression, bipolar I depression.

IC<sub>50</sub> value:

Target: 5-HT Receptor

Quetiapine is indicated for the treatment of schizophrenia as well as for the treatment of acute manic episodes associated with bipolar I disorder. The antipsychotic effect of quetiapine is thought by some to be mediated through antagonist activity at dopamine and serotonin receptors. Specifically the D1 and D2 dopamine, the alpha 1 adrenoreceptor and alpha 2 adrenoreceptor, and 5-HT1A and 5-HT2 serotonin receptor subtypes are antagonized. Quetiapine also has an antagonistic effect on the histamine H1 receptor.



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