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Product Information

Product ID Q8019

CAS No. 111974-72-2

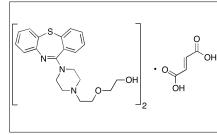
Chemical Name

Synonym

Formula $2(C_{21}H_{25}N_3O_2S) \cdot C_4H_4O_4$

Formula Wt. 883.09 Melting Point 172-176°C

> Purity ≥99% Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
Q8019	1 g	\$93.90
Q8019	5 g	\$335.50
Q8019	25 g	\$670.60

Store Temp Ambient Ship Temp Ambient

Description Quetiagine is a second-generation atypical antipsychotic that is used clinically to treat bipolar disorder, schizophrenia, and depression. Quetiapine inhibits D1/2/3/4 receptors, 5-HT2A/2C/6/7 receptors, histamine H1/2 receptors, M1 muscarinic acetylcholine receptors (mAChRs), and α1A/1B/2C-adrenergic receptors and activates σ1/2 receptors and 5-HT1A receptors. Quetiapine's neuromodulatory, cognition enhancing, antipsychotic, antidepressant, antihistamine, and neuroprotective activities stem from its actions at D2, 5-HT and histamine H1/2 receptors. The major metabolite of quetiapine, norquetiapine, also exhibits similar activities but has a different binding profile. When administered in vivo, quetiapine decreases immobility time in the forced swim test. Quetiapine also increases oligodendrocyte maturation and prevents loss of oligodendrocytes and myelin in animal models of cerebral ischemia/reperfusion. Quetiapine also exhibits benefit in the treatment of Alzheimer's disease, suppressing memory impairment in the Y-maze test in transgenic animal models and decreasing age-related loss of brain-derived neurotrophic factor (BDNF).

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.