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## DATASHEET

Quetiapine hemifumarate

### Product overview

<b>Name</b>	Quetiapine hemifumarate
<b>Cat No</b>	HB1803
<b>Alternative names</b>	ICI 204  636
<b>Biological action</b>	Antagonist
<b>Purity</b>	>99%
<b>Description</b>	5-HT <sub>2</sub> and D <sub>2</sub> antagonist. Atypical antipsychotic.

### Biological Data

<b>Biological description</b>	5-HT <sub>2</sub> and D <sub>2</sub> antagonist (IC <sub>50</sub> values are 148 and 329 nM respectively). Lacks affinity at D <sub>1</sub> or muscarinic receptors. Atypical antipsychotic.
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO (50mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2-[2-(4-Dibenzo[ <i>b,f</i> ][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol hemifumarate
<b>Molecular Weight</b>	441.54
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub> S.0.5C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>
<b>CAS Number</b>	111974-72-2
<b>PubChem identifier</b>	5281025
<b>SMILES</b>	<chem>OCCOCCN(CC4)CCN4C2=NC1=CC=CC=C1SC3=C2C=CC=C3.O=C(/C=C/C(O)=O)O.OCCOCCN(CC8)CCN8C6=NC5=CC=CC=C5SC7=C6C=CC=C7</chem>
<b>InChiKey</b>	ZTHJULTYCAQOIJ-WXXKFALUSA-N