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## DATASHEET

Zotepine

### Product overview

<b>Name</b>	Zotepine
<b>Cat No</b>	HB1778
<b>Biological action</b>	Antagonist
<b>Purity</b>	>99%
<b>Description</b>	5-HT <sub>2A</sub> and dopamine D <sub>2</sub> receptor antagonist. Atypical antipsychotic.

### Biological Data

<b>Biological description</b>	5-HT <sub>2A</sub> and D <sub>2</sub> receptor antagonist (K <sub>i</sub> values are 0.69 and 2.3 nM respectively). Also a potent histamine H <sub>1</sub> receptor antagonist (IC <sub>50</sub> = 8.0 nM). Atypical antipsychotic. Shows antidepressive and anxiolytic effects. Active <i>in vivo</i> .
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<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-[(8-Chlorodibenzo(Z)[b,f]thiepin- 10-yl)oxy]-N,N-dimethylethanamine
<b>Molecular Weight</b>	331.86
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>18</sub> ClNOS
<b>CAS Number</b>	26615-21-4
<b>PubChem identifier</b>	5736
<b>SMILES</b>	C1C3=CC=C2SC1=CC=CC=C1C=C(OCCN(C)C)C2=C3
<b>InChiKey</b>	HDOZVRUNCMBHFH-UHFFFAOYSA-N