

DRUG DISCOVERY

FDA Approved Drugs - September 2013

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1. BRINTELLIX

1.1. Generic Name

Vortioxetine;

1.2. Company

Lundbeck and Takeda Pharmaceuticals America, Inc. Approved by September 2013

1.3. Treatment for

Major Depressive Disorder

1.4. General Information

Brintellix is a prescription medicine used to treat a certain type of depression called Major Depressive Disorder (MDD). Do not start or stop taking Brintellix. Sudden stopping when take higher doses may cause to have side effects. It may be taken with or without food.

1.5. Mechanism of Action

The mechanism of the antidepressant effect of Brintellix is not fully understood. It is an inhibitor of serotonin (5-HT) reuptake and that is thought to be a mechanism of its action. It is also an agonist at 5-HT_{1A} receptors, a partial agonist at 5-HT_{1B} receptors and an antagonist at 5-HT₃, 5-HT_{1D} and 5-HT₇ receptors. The contribution of each of these activities to Brintellix's antidepressant effect has not been established. It is considered to be the first and only compound with this combination of pharmacodynamic activity.

1.6. Side Effects

Brintellix may cause serious side effects, including: high or low blood pressure, sweating or fever, nausea or vomiting, diarrhea, muscle stiffness or tightness, mood swings, dizziness or feeling lightheaded, runny nose.