

Bupropion

Bupropion is a frequently prescribed atypical antidepressant drug which can also be used for smoking cessation. Commonly, this drug is combined with an SSRI for depression therapy. The mechanism of action for this drug is not entirely understood, but yields increased availability of dopamine and norepinephrine. It is proposed that this drug leads to smoking cessation by blocking nicotinic acetylcholine receptors in the brain. Side effects of this medication include stimulant side effects, such as insomnia and tachycardia. Seizure is another side effect of Bupropion, as this drug lowers the seizure threshold.



PLAY PICMONIC

Indications

Depression

[Depressed-emo](#)

Depression is the most common indication for Bupropion. Many times, this drug is combined with SSRI therapy.

Smoking Cessation

[No Smoking Sign](#)

The second most common use for Bupropion is smoking cessation. This drug is proven to reduce the severity of nicotine cravings and withdrawal symptoms.

Mechanism of Action

Increase Dopamine and NE

[Up-arrow Doberman and North-epi-pen](#)

This drug still has an unclear mechanism of action, but yields increased levels of dopamine and norepinephrine. A proposed mechanism driving smoking cessation is by block of nicotinic acetylcholine receptors in the brain.

Side Effects

Stimulant Side Effects

[Stim-mule drink](#)

The stimulant side effects of this drug include tachycardia and insomnia in some patients.

Seizure

[Caesar](#)

This drug is known to lower the seizure threshold, leading to epileptic seizure in patients.