

# Novel Modulators of Melanocortin Receptors for the Treatment of Depression and Anxiety

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## Technology description

### Title

Novel Modulators of Melanocortin Receptors for the Treatment of Depression and Anxiety

### Invention

The invention is the use of the melanocortin 5 receptor (MC5R) ligand to treat depressive and anxiety disorders. MC5R antagonism is the proposed mechanism of action.

### Background

Depression and anxiety often have similar treatment, but experiencing the full effects of current pharmacotherapy can range from weeks to months. Antidepressants and anxiolytics are associated with a number of side effects including an increased risk of suicidal thoughts in those taking antidepressants. Therefore, a novel pathway is needed for rapid onset with minimal side effects.

## Application area

Pharmaceutical companies

## Advantages

Provides treatment for depressive and anxiety disorders

## Institution

[University of Arizona](#)

## Inventors

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