

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

Published date: Dec. 13, 2019

## 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

[Victor Hruby](#)

Regents Professor Emeritus  
Chemistry & Biochemistry

[Minying Cai](#)

Research Professor  
Chemistry and Biochemistry

## 联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com