

Novel Therapeutics for the Treatment of Depression

Published date: April 27, 2015

Technology description

Our scientists have identified a coupling between two functionally distinct dopamine receptors (D1 and D2) as a novel target for treatment of depression. Through the characterization of the protein-protein receptor interaction we have developed a small peptide that selectively interferes with this coupling, thereby leading to the development of a breakthrough therapy capable of delivering enhanced affinity, efficacy, and a superior side effect profile.

Publication:

[Uncoupling the dopamine D1-D2 receptor complex exerts antidepressant-like effects.](#) Pei L, Li S, Wang M, Diwan M, Anisman H, Fletcher PJ, Nobrega JN, Liu F. Nature Medicine. 2010 Dec;16(12):1393-5. doi: 10.1038/nm.2263. Epub 2010 Nov 28.

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