



Psychiatric conditions
(like depression, substance
use disorder, and PTSD) **and**
developmental conditions
(like schizophrenia and autism)
change the brain's structure.



Neurons

are the cells that transmit
messages in the brain.

Neuroplasticity

is the brain's ability to adapt to
change by forming new
connections.



Psychedelic drugs like
LSD and **MDMA**



promote neuroplasticity and neuron growth.

These drugs could help treat conditions that change brain structure, but
use is limited due to hallucinogenic properties & risk of heart damage.

We engineered new,
non-hallucinogenic
versions of these drugs
to increase safety while
still providing these
therapeutic effects.



TBG

Drug similar to ibogaine and 5-MeO-DMT
Therapeutic effect in models of depression
and substance use disorders

Not yet tested in humans

AAZ

Drug similar to MDMA

Long-lasting antidepressant effects

No stimulant effects

Currently being tested to treat PTSD &
social anxiety in autism