LKT Laboratories offers a variety of bioactive antipsychotic and antidepressant compounds for use in research models. Many of these compounds alter dopamine signaling, inhibiting one of several dopamine receptor subtypes or dopamine transporters. LKT Laboratories carries typical first generation antipsychotics such as Chlorpromazine Hydrochloride (C2947) and Haloperidol (H0142) as well as atypical second generation antipsychotics Clozapine (C4757) and Risperidone (R3475).

A second category of neuroactive compounds includes antidepressants, which typically act to prolong the activity of neurotransmitters in the brain. These compounds often act on serotonin receptors, dopamine receptors, ion channels, and neurotransmitter transporters. Selective serotonin reuptake inhibitors (SSRIs) inhibit presynaptic reuptake of serotonin from the synapse back into the neuron, increasing levels of serotonin available to interact with serotonin receptors. Fluoxetine Hydrochloride (F4780) and Paroxetine Hydrochloride Hemihydrate (P0297) are SSRIs used in many research applications.

Monoamine oxidase inhibitors (MAOIs) are another category of antidepressants that inhibit monoamine oxidase, an enzyme responsible for degradation of serotonin and dopamine. Inhibition of this enzyme increases levels of these neurotransmitters, allowing them to bind receptors and transmit signals involved in reward, reinforcement, learning, and memory. Tranylcypromine Hydrochloride (T6903) and Moclobemide (M5610) are two of several MAOIs carried by LKT Laboratories.

Additional representative antipsychotics and antidepressants from our product library can be found in the listing below.

- A5234 Amisulpride
- A5235 Amitriptyline Hydrochloride
- A5059 Amoxapine
- A7034 Aripiprazole
- A9801 Azaperone
- B9363 Bupropion Hydrochloride
- B8274 Buspirone Hydrochloride
- C3477 Citalopram Hydrobromide
- C4457 Clomipramine Hydrochloride
- D1874 Desvenlafaxine Succinate
- D5994 Doxepin Hydrochloride
- D8145 Duloxetine Hydrochloride
- E7209 Escitalopram Oxalate
- F4584 Fluphenazine
- F4783 Fluvoxamine Maleate
- I4659 Iloperidone
- K1678 Ketanserin
- M0262 Maprotiline Hydrochloride
- M1845 Melitracen Hydrochloride
- M3368 Mirtazapine
- N1822 Nefazodone Hydrochloride
- O4400 Olanzapine
- P0144 Paliperidone
- Q8019 Quetiapine Fumarate
- S1971 Sertraline Hydrochloride
- T2936 Thioridazine Hydrochloride
- T7003 Trazodone Hydrochloride
- T7033 Trifluoperazine Hydrochloride
- V1854 Venlafaxine Hydrochloride
- V3444 Vilazodone
- V5870 Vortioxetine
- Z3463 Ziprasidone