

# Bioactives Collection

Assay.Works offers a modular toolbox of eleven non-redundant sets of 5k bioactive small molecules, including endogenous metabolites, enzyme inhibitors, receptor ligands, and FDA-approved drugs.

- › Broad coverage of drug target classes, therapeutic indications, and research areas
- › Structurally diverse, pharmacologically active, and cell permeable
- › Screen-ready DMSO stocks, quality-controlled by HPLC and NMR
- › Rich set of chemical and biological annotations

## Applications

- › Target validation, pathway deconvolution, combination studies
- › Assay validation, exploratory screening

	<b>Immunology (IMN)</b> Immunology/Inflammation-related compounds. Targets include CCR, COX, Interleukin Related, IRAK, MyD88, PDE, PD-1/PD-L1, TLR, and more. Includes some compounds related to tumor-immunology.	<b>292</b>
	<b>Epigenetics (EPG)</b> Epigenetics-related compounds targeting HDAC, Histone Demethylase, Histone Acetyltransferase (HAT), DNA Methyltransferase (DNMT), Epigenetic Reader Domain, MicroRNA, etc.	<b>302</b>
Pathway	<b>Neuronal Signaling (NRS)</b> Compounds related to Neuronal Signaling. Targets include 5-HT Receptor, AChE, Adrenergic Receptor, AMPAR, Beta- and Gamma-secretase, Dopamine Receptor, FAAH, Melatonin Receptor, AChR, Opioid Receptor, etc.	<b>497</b>
	<b>Autophagy (APH)</b> Compounds with biological activity used for autophagy research and associated assays. Targets include Autophagy, LRRK2, ULK, etc.	<b>427</b>
	<b>Cell Death (CLD)</b> Compounds related to cell cycle, cell survival, DNA damage, and apoptosis. Targets includes CDK, ROCK, Aurora Kinase, ATM/ATR, DNA-PK, DNA/RNA Synthesis, Bcl-2 Family, Caspase, DAPK, IAP, MDM2/p53, PKD, Survivin, etc.	<b>405</b>
	<b>Metabolism (MET)</b> Metabolism/Protease-related small molecules. Targets include PDE, Cytochrome P450, HMG-CoA Reductase, DPP4, Proteasome, HCV Protease, IDO, Cathepsin, MMP, etc.	<b>608</b>
Target Class	<b>Transporter &amp; Ion Channels (TIC)</b> Modulators of ion channels and membrane transporters related to targets and pathways not contained in the above sets.	<b>237</b>
	<b>GPCR &amp; G-Protein (GPR)</b> Modulators of GPCR and G-proteins related to targets and pathways not contained in the above sets.	<b>317</b>
	<b>Kinase Inhibitors (KIN)</b> Protein kinase inhibitors related to pathways not contained in the above sets.	<b>429</b>
Other	<b>Anti-Infection (AIN)</b> Anti-infective compounds targeting Bacteria, Fungi, Parasite, CMV, HIV, SARS-CoV, Influenza Virus, etc.	<b>442</b>
	<b>Other Bioactives (OBA)</b> Other bioactive compounds related to targets and pathways not contained in the above sets.	<b>1,095</b>

## Contact

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