



## Compound Libraries 96-Well(s) format

In a 96-well Matrix™ tube rack format as 10 mM stock solutions in DMSO

Please review the product insert for a full list of targets.

### Anti-Inflammatory Screening Library

The Anti-Inflammatory Screening Library consists of 3 plates and contains approximately **235 anti-inflammatory and related compounds**. This library includes inhibitors of pro-inflammatory cytokine production, macrophage and T cell activation, cytokine storm receptor signaling, the NLRP3 inflammasome, NF-κB signaling, and kinases involved in canonical and non-canonical inflammatory signaling pathways. It also includes corticosteroids, glucocorticoids, and inhibitors of enzymes involved in inflammatory lipid mediator production and metabolism, such as COX-1 and COX-2, 5-lipoxygenase (5-LO), microsomal prostaglandin E synthase-1 (mPGES-1), cytosolic phospholipase A2 (cPLA2), and soluble epoxide hydrolase (sEH). Additional targets include enzymes and receptors involved in NETosis, coagulation, and platelet aggregation. [31530](#)

### Antiviral Screening Library

The Antiviral Screening Library consists of 6 plates and contains more than **410 antiviral-associated compounds**. This library includes a variety of compounds with antiviral activity against HIV, hepatitis B virus (HBV), hepatitis C virus (HCV), influenza, herpes simplex virus (HSV), and coronaviruses, among others, as well as several compounds with antimalarial activity. Molecular targets include HIV reverse transcriptase, protease, and integrase, RNA-dependent RNA polymerases, and HCV nonstructural (NS) proteins. [30390](#)

### Autophagy-Focused Screening Library

The Autophagy-Focused Screening Library consists of 2 plates and contains **more than 150 autophagy-associated compounds**. The library will include a variety of inhibitors and inducers of autophagy, including but not limited to, mTOR, PI3K, LRRK2, and Aurora kinase inhibitors, HDAC inhibitors, protease inhibitors, calcium channel blockers, p53 and AMPK modulators, and Vps34 inhibitors. [23537](#)

### Bio-active Lipid I Screening Library

The Bio-active Lipid I Screening Library consists of 11 plates and contains **more than 800 compounds**. The library may include prostaglandins, thromboxanes, cannabinoids, D-myo-inositol-phosphates, phosphatidylinositol-phosphates, sphingolipids, inhibitors, receptor agonists and antagonists, ceramide derivatives, and several other complex polyunsaturated fatty acids. This library collection is ideal for prostanoid or other G protein-coupled receptor screening, target validation, secondary screening, validating new assays and for routine pharmacological applications. [10506](#)

### Bio-active Lipid II Screening Library

The Bio-active Lipid II Screening Library consists of 3 plates and contains **more than 190 compounds**. The library may include prostaglandins, isoprostanes, thromboxanes, leukotrienes, lipoxins and several other complex polyunsaturated fatty acids. This library collection is ideal for prostanoid or other G protein-coupled receptor screening, target validation, secondary screening, validating new assays and for routine pharmacological applications. [10507](#)

### Epigenetics Screening Library (96-Well)

The Epigenetics Screening Library contains **more than 140 small molecules** that are known to modulate the activity of a variety of epigenetic 'writers and erasers' and 'reader' proteins. It may include compounds that modulate the activity of methyltransferases, demethylases, histone acetyltransferases, histone deacetylases, and acetylated histone binding proteins. [11076](#)

### Fatty Acid Screening Library

The Fatty Acid Screening Library contains **more than 75 compounds** of fatty acids with diverse biological activities. The library may also include some of the most commonly-ordered fatty acids, including arachidonic, linoleic, eicosapentaenoic, stearic, α- and γ-linolenic, oleic, and palmitic acids. As well as some unusual fatty acids, including 9-thiastearic acid, 2-hydroxy-myristic acid, AUDA, and CUDA may be included. [10504](#)

### FDA-Approved Drugs Screening Library

The FDA-Approved Drugs Screening Library consists of 11 plates and contains approximately **875 FDA-approved compounds**. The library contains antidiabetic, antiseizure, antipsychotic, antibiotic, and antiviral agents, non-steroidal anti-inflammatory drugs (NSAIDs), and chemotherapeutics, among others. [23538](#)

### Comprehensive Kinase Screening Library

The Kinase Screening Library consists of 2 plates and contains **more than 140 specific and non-specific kinase inhibitors**. The library may include dual specific threonine/tyrosine kinase inhibitors, selective MAP kinase inhibitors, p38 MAPK inhibitors, and PI3K inhibitors. [10505](#)

### Comprehensive Kinase Screening Library

The Comprehensive Kinase Screening Library consists of 11 plates and contains **more than 850 selective and non-selective kinase inhibitors**. This comprehensive library includes inhibitors of a wide range of lipid, receptor and non-receptor tyrosine, serine/threonine, and dual specificity kinases including those belonging to ROCK, activin-like kinase (ALK), GSK3, PKC, PDGFR, VEGFR, Src, MAPK, CDK, and PI3K families, among many others. [28940](#)

### Prostaglandin Screening Library I

The Prostaglandin Screening Library I contains **more than 70 "F-series" of prostaglandins and isoprostanes**. [10501](#)

### Prostaglandin Screening Library II

The Prostaglandin Screening Library II contains **more than 60 "D and E-series" of prostaglandins**. [10502](#)

### Prostaglandin Screening Library III

The Prostaglandin Screening Library III contains **more than 75 "A and J-series" of prostaglandins**. The library may also include thromboxanes, lactones, stable PGH, prostacyclin mimic, metabolites, and potent PGA and PGJ analogs. [10503](#)

### SARS-CoV-2 Screening Library

[Cayman Contract Services](#) - Made-to-order compound library curated through in silico modeling by screening over 70,000 compounds targeting SARS-CoV-2 proteins. [9003509](#)

### SGC Probe Set

The SGC (Structural Genomics Consortium), in conjunction with academic and industrial partners, has developed numerous small, drug-like molecules that inhibit or antagonize epigenetic readers, writers, and erasers. [17748](#)

### Stem Cell Small Molecule Screening Library

The Stem Cell Small Molecule Screening Library contains **more than 140 small molecules** that are known either to induce differentiation, to maintain self-renewal and proliferation, or to improve the reprogramming efficiency of various stem cell populations. [9001827](#)

### Terpene Screening Library

The Terpene Screening Library contains approximately **95 terpenes**. The library contains a diverse group of natural products with assorted biological activities and structural variety ranging from simple monocyclic compounds, such as (±)-limonene, to complex multicyclic structures, such as that of paxillene. [9003370](#)

The composition of these screening libraries will always vary somewhat depending upon our inventory. Stability data is not available for compounds.

# Inhibitor Screening Assay Kits

## Autotaxin Inhibitor Screening Assay Kit

700580 - For the screening human autotaxin inhibitors

## BAZ2B bromodomain TR-FRET Assay Kit

600710 - HTS assay for BAZ2B inhibitors

## BRD2 bromodomain 1 TR-FRET Assay Kit

600500 - HTS assay for BRD2 inhibitors

## BRD2 bromodomain 2 TR-FRET Assay Kit

600510 - HTS assay for BRD2 inhibitors

## BRD2 bromodomains 1 and 2 TR-FRET Assay Kit

600810 - HTS assay for BRD2 inhibitors

## BRD3 bromodomain 1 TR-FRET Assay Kit

600630 - HTS assay for BRD3 inhibitors

## BRD3 bromodomain 2 TR-FRET Assay Kit

600640 - HTS assay for BRD3 inhibitors

## BRD3 bromodomains 1 and 2 TR-FRET Assay Kit

600820 - HTS assay for BRD3 inhibitors

## BRD4 bromodomains 1 and 2 TR-FRET Assay Kit

600830 - HTS assay for BRD4 inhibitors

## BRD4 bromodomain 1 TR-FRET Assay Kit

600520 - HTS assay for BRD4 inhibitors

## BRD4 bromodomain 2 TR-FRET Assay Kit

600530 - HTS assay for BRD4 inhibitors

## BRDT bromodomain 1 TR-FRET Assay Kit

600650 - HTS assay for BRDT inhibitors

## BRG1 bromodomain TR-FRET Assay Kit

600720 - HTS assay for BRG1 inhibitors

## BRM bromodomain TR-FRET Assay Kit

600730 - HTS assay for BRM inhibitors

## CBP bromodomain TR-FRET Assay Kit

600850 - HTS assay for CBP inhibitors

## COX Colorimetric Inhibitor Screening Assay Kit

701050 - A colorimetric assay for the screening of isozyme-specific inhibitors

## COX Fluorescent Inhibitor Screening Assay Kit

700100 - Fluorescent Screening method for COX inhibitors

## COX (human) Inhibitor Screening Assay Kit

701230 - For screening human COX-1 and COX-2 inhibitors

## COX (ovine) Colorimetric Inhibitor Screening Assay Kit

760111 - A colorimetric assay for the screening of isozyme-specific inhibitors

## COX (ovine/human) Inhibitor Screening Assay Kit

560131 - Complete drug discovery assay for screening COX-1 and COX-2 inhibitors

## COX (ovine) Inhibitor Screening Assay Kit

560101 - Complete Drug Discovery Assay for screening COX-1 and COX-2 inhibitors

## COX-1 (human) Inhibitor Screening Assay Kit

701070 - For screening COX-1 inhibitors

## COX-1 (ovine) Inhibitor Screening Assay Kit

701090 - For screening COX-1 inhibitors

## COX-2 (human) Inhibitor Screening Assay Kit

701080 - For screening COX-2 inhibitors

## COX-2 (ovine) Inhibitor Screening Assay Kit

702000 - Complete Drug Discovery Assay for screening COX-2 inhibitors

## DPP (IV) Inhibitor Screening Assay Kit

700210 - A convenient, fluorescence-based method for screening DPP (IV) inhibitors

## DUB Activity Assay Kit

701490 - For the accurate and sensitive assessment of DUB activity

## Soluble Epoxide Hydrolase Inhibitor Screening Assay Kit

10011671 - A convenient method for screening sEH inhibitors

## FABP4 Inhibitor/Ligand Screening Assay Kit

10010231 - For analysis of FABP4 ligands

## Fatty Acid Amide Hydrolase Inhibitor Screening Assay Kit

10005196 - A convenient fluorescence-based method for screening FAAH inhibitors

## GLP SAM-Screener™ Assay Kit

600570 - For profiling substrates of the GLP binding domain

## HAT Inhibitor Screening Assay Kit

10006515 - A fast, fluorescence-based method for evaluating PCAF HAT inhibitors

## HDAC1 Inhibitor Screening Assay Kit

10011564 - A 96-well fluorometric assay for HDAC

## HDAC8 Inhibitor Screening Assay Kit

700230 - A convenient, fluorescence-based method for screening HDAC8 inhibitors

## JMJD2A Tudor Domains TR-FRET Assay Kit

601030 - High-throughput screening assay for JMJD2A Tudor inhibitors

## L3MBTL1 MBT Domains TR-FRET Assay Kit

601030 - High-throughput screening assay for L3MBTL1 MBT inhibitors

## LDL Uptake Flow Cytometry Assay Kit

601470 - Measure modulation of cellular LDL uptake by flow cytometry

## Lipoxygenase Inhibitor Screening Assay Kit

760700 - A convenient method for screening lipoxygenase inhibitors

## LSD1 Inhibitor Screening Assay Kit

700120 - A convenient fluorescence-based method for screening LSD1-specific inhibitors

## MLL1 SAM-Screener™ Assay Kit

600580 - For profiling substrates of the MLL1 binding domain

## Monoacylglycerol Lipase Inhibitor Screening Assay Kit

705192 - A colorimetric method for screening MAGL inhibitors

## Myeloperoxidase Inhibitor Screening Assay Kit

700170 - A convenient fluorescence-based method for screening inhibitors to both the chlorination and peroxidation activities of MPO

## Oxidized LDL Uptake Assay Kit

601180 - A cell-based assay for studying modulators of cellular oxidized LDL uptake

## PAD1 Inhibitor Screening Assay Kit (AMC)

701440 - A convenient method for screening human PAD1 inhibitors

## PAD1 Inhibitor Screening Assay Kit (Ammonia)

701450 - A convenient method for screening human PAD1 inhibitors

## PAD2 Inhibitor Screening Assay Kit (AMC)

701390 - A convenient method for screening human PAD2 inhibitors

## PAD2 Inhibitor Screening Assay Kit (Ammonia)

701400 - A convenient method for screening human PAD2 inhibitors

## PAD3 Inhibitor Screening Assay Kit (Ammonia)

701470 - A convenient method for screening human PAD3 inhibitors

## PAD4 Inhibitor Screening Assay Kit (Ammonia)

700560 - A convenient method for screening human PAD4 inhibitors

## PAD4 Inhibitor Screening Assay Kit (AMC)

701320 - A convenient method for screening human PAD4 inhibitors

## PAF Acetylhydrolase Inhibitor Screening Assay Kit

10004380 - PAF acetylhydrolase inhibitors

## sPLA2 (Type V) Inhibitor Screening Assay Kit

10004883 - A convenient colorimetric assay designed for rapid screening of Type V sPLA2 inhibitors

## PPAR $\gamma$ -LBD Ligand Screening Assay Kit

600616 - A convenient fluorescence polarization-based single step assay for screening PPAR $\gamma$  ligands

## PPAR $\gamma$ Ligand Screening Assay Kit

10007685 - A convenient fluorescence polarization-based single step assay for screening PPAR $\gamma$  ligands

## Prostaglandin D Synthase (hematopoietic-type) FP-Based Inhibitor Screening Assay Kit - Green

600007 - A convenient fluorescence polarization-based single step assay for screening H-PGDS inhibitors

## Renin Inhibitor Screening Assay Kit

10006270 - A convenient, 96-well format to measure human renin inhibitors

## SET7/9 SAM-Screener™ Assay Kit

600490 - For profiling substrates of the SET7/9 binding domain

## SET7/9 Methyltransferase Inhibitor Screening Assay Kit

700270 - A convenient method for screening human SET7/9 inhibitors

## SET8 Methyltransferase Inhibitor Screening Assay Kit

700350 - A convenient method for screening human SET8 inhibitors

## SIRT1 Direct Fluorescent Screening Assay Kit

10010401 - For fluorescent analysis of SIRT1

## SIRT1 FRET-Based Screening Assay Kit

10010991 - For fluorescent analysis of SIRT1 inhibitors

## SIRT2 Direct Fluorescent Screening Assay Kit

700280 - A convenient fluorescence-based method for screening SIRT2 inhibitors or activators

## SIRT3 Direct Fluorescent Screening Assay Kit

10011566 - For fluorescent analysis of SIRT3

## TAF1 bromodomain 1 TR-FRET Assay Kit

600870 - HTS assay for TAF1 inhibitors

## TAF1 bromodomains 1 and 2 TR-FRET Assay Kit

600930 - HTS assay for TAF1 inhibitors