

Epigenetic Research Tools

Cayman Chemical provides a full toolkit of reagents to study the fundamental actions of epigenetic writers, erasers, and readers on histones, DNA, and RNA. This includes ELISAs, cell-based assays, high-throughput screening assays using TR-FRET technology, a full line of recombinant proteins, and validated antibodies. In addition, we partner with the Structural Genomics Consortium to provide potent, selective, and cell-permeable inhibitors of epigenetic protein function.



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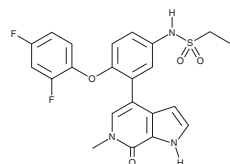
Featured Inhibitors:

More than 250 epigenetic inhibitors available online

ABBV-075

Item No. 21033

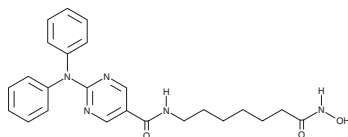
A potent BRD2/4 and BRDT inhibitor



ACY-1215

Item No. 21531

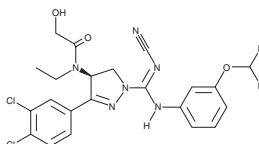
A selective inhibitor of HDAC6



BAY-598

Item No. 18238

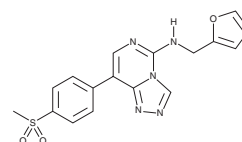
An inhibitor of SMYD2



EED226

Item No. 22031

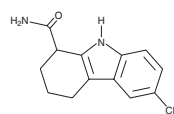
A potent and allosteric inhibitor of PRC2



EX-527

Item No. 10009798

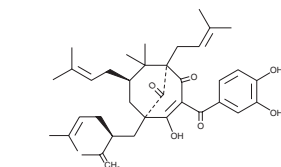
An inhibitor of SIRT1



Garcinol

Item No. 10566

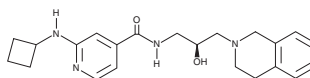
An inhibitor of histone acetyltransferases



GSK591

Item No. 18354

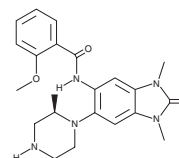
A chemical probe for PRMT5



GSK6853

Item No. 20985

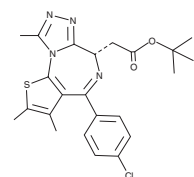
A selective chemical probe for the bromodomain of BRPF1



(+)-JQ1

Item No. 11187

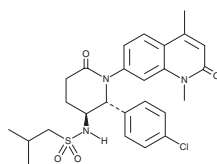
A select inhibitor of BET bromodomains



LP99

Item No. 17661

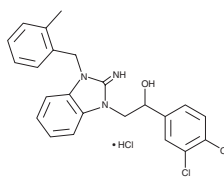
A selective inhibitor of BRD7/9



MS351

Item No. 19549

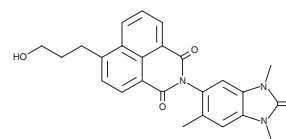
An antagonist of CBX7



BAY-299

Item No. 19777

A potent and selective BRD1 inhibitor



SGC Probe Set

Item No. 17748

- Library of probes developed by the Structural Genomics Consortium
- Contains >20 inhibitors/antagonists of epigenetic readers, writers, and erasers
- Designed for pre-clinical target validation

Epigenetics Screening Library (96-Well)

Item No. 11076

- Contains >140 small molecules
- Includes compounds that modulate the activity of methyltransferases, demethylases, HATs, HDACs, and acetylated lysine reader proteins

Chromatin Reader Domain TR-FRET Assay Kits

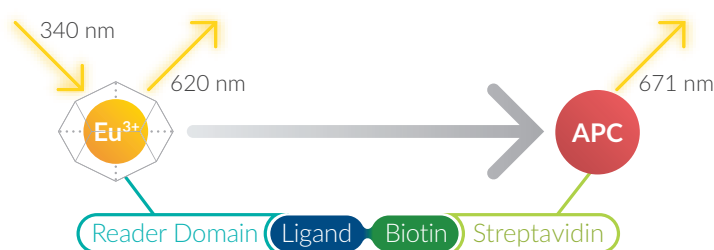
Item No.	Product Name
600500	BRD2 bromodomain 1 TR-FRET Assay Kit
600510	BRD2 bromodomain 2 TR-FRET Assay Kit
600630	BRD3 bromodomain 1 TR-FRET Assay Kit
600640	BRD3 bromodomain 2 TR-FRET Assay Kit
600520	BRD4 bromodomain 1 TR-FRET Assay Kit
600530	BRD4 bromodomain 2 TR-FRET Assay Kit
600830	BRD4 bromodomains 1 and 2 TR-FRET Assay Kit
600650	BRDT bromodomain 1 TR-FRET Assay Kit
600850	CBP bromodomain TR-FRET Assay Kit
601030	L3MBTL1 MBT Domains TR-FRET Assay Kit

Common chromatin reader domain TR-FRET assays listed, over 15 available online

Additional Assay Kits

Item No.	Product Name
589324	DNA Methylation ELISA Kit
600150	HDAC Cell-Based Activity Assay Kit
10011563	HDAC Fluorometric Activity Assay Kit
10011564	HDAC1 Inhibitor Screening Assay Kit
700120	LSD1 Inhibitor Screening Assay Kit
700140	Methyltransferase Colorimetric Assay Kit
700150	Methyltransferase Fluorometric Assay Kit
600490	SET7/9 SAM-Screener™ Assay Kit
10010401	SIRT1 Direct Fluorescent Screening Assay Kit
10011566	SIRT3 Direct Fluorescent Screening Assay Kit

Common epigenetic assays listed, over 40 available online



TR-FRET assay formats are suited to the rapid characterization of ligands for SAR studies of epigenetic compounds in a high-throughput format.

Proteins

Item No.	Product Name
11720	BRD4 bromodomain 1 (human recombinant; His-tagged)
10009231	HDAC1 (human recombinant)
10009465	HDAC6 (human recombinant)
10263	Histone H3 (human recombinant)
10264	Histone H4 (human recombinant)
10336	JMJD2A (human recombinant)
10500	PAD4 (human recombinant)
10009115	PCAF Histone Acetyltransferase
10011191	SIRT2 (human recombinant)
10011194	SIRT3 (human recombinant)
10315	SIRT6 (human recombinant)
10783	TIP60 (human recombinant)

Common epigenetic proteins listed, over 120 available online

Antibodies

Item No.	Product Name
10010567	Acetyl Lysine Monoclonal Antibody (Clone 7F8)
20723	Anti-5-hydroxy Methylcytosine Rabbit Monoclonal Antibody (Clone RM236)
20722	Anti-5-methyl Cytosine Rabbit Monoclonal Antibody (Clone RM231)
20718	Anti-trimethyl Histone H3 (Lys4) Rabbit Monoclonal Antibody (Clone RM137)
13479	DNA Methyltransferase 1 Monoclonal Antibody (Clone 60B1220.1)
17939	Histone H3 (Citullinated R2 + R8 + R17) Monoclonal Antibody
14701	JARID1B/PLU1 (C-Term) Polyclonal Antibody
10382	JMJD2A Polyclonal Antibody
10383	JMJD2D Polyclonal Antibody
13728	Methylated Lysine Polyclonal Antibody-biotin
13780	SET7/9 (FL) Polyclonal Antibody

Common epigenetic antibodies listed, over 60 available online

View our complete list of Epigenetic Research Tools
at www.caymanchem.com

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Tel: +33 (0)139 306 036
Email: order-life@bertin.fr
Web: www.bertin-bioreagent.com