

Cell Cycle/DNA Damage Compound Library

Cat. No.: HY-L004

Product Name	Cat. No.	Compounds	Size (Pre-dissolved in DMSO/Solid)
Cell Cycle/DNA Damage Compound Library	HY-L004	447	30 µL/well, 50 µL/well, 100 µL/well, 250 µL/well (10 mM solution)

- A unique collection of 447 Cell Cycle/DNA Damage related compounds for **high throughput screening (HTS)** and **high content screening (HCS)**.
- Targets such as **CDK, ROCK, Aurora Kinase, ATM/ATR, DNA-PK, DNA/RNA Synthesis**, etc.
- A useful tool to study the mechanism of cell cycle regulators that are critical to normal development and the development of **cancer, cardiovascular, inflammatory, and neurodegenerative diseases**.
- Bioactivity and safety confirmed by preclinical research and clinical trials. Some compounds have been approved by FDA.
- Structurally diverse, medicinally active, and cell permeable.
- More detailed compound information with structure, IC₅₀, and other chemical & biological data.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock and continuously updated.

Targets Included in Cell Cycle/DNA Damage Compound Library:

Antifolate	APC	ATM/ATR	Aurora Kinase	Casein Kinase
CDK	Checkpoint Kinase (Chk)	CRISPR/Cas9	Deubiquitinase	DNA Alkylator/Crosslinker
DNA-PK	DNA/RNA Synthesis	G-quadruplex	Haspin Kinase	HDAC
HSP	Kinesin	KSP	LIM Kinase (LIMK)	Microtubule/Tubulin
Mps1	Nucleoside antimetabolite	p97	PAK	PARP
PERK	Polo-like Kinase (PLK)	PPAR	PTEN	RAD51
ROCK	Sirtuin	Telomerase	Topoisomerase	Wee1 ...

📖 Publications Citing Use of MCE Cell Cycle/DNA Damage Library Compounds:

Nature. 2017 Jun 15;546(7658):426-430.
Science. 2015 May 15;348(6236):799-803.
Science. 2014 Oct 10;346(6206):244-7.
Cell. 2017 Jan 12;168(1-2):264-279.e15.
Nat Med. 2016 May;22(5):547-56.
Nat Cell Biol. 2015 Sep;17(9):1134-44.
Nat Cell Biol. 2014 Dec;16(12):1249-56.
Nat Cell Biol. 2012 Feb 5;14(3):295-303.
Mol Psychiatry. 2017 May;22(5):711-723.
Trends Pharmacol Sci. 2014 Apr;35(4):187-207.
Nat Commun. 2017 Sep 5;8(1):435.

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Customize Library

You can select:

- ✓ Specific Compounds
- ✓ Quantities
- ✓ Plate Map
- ✓ Concentration
- ✓ Format (Dry/Solid or DMSO Solution)