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# Top Selling Products

Cited in 30,000+ Publications. In Vitro/Vivo Mechanisms of Action. 24/7 Customer Service!

*Cell.* 2023 Nov 22;186(24):5394-5410.e18.  
Deschloroclozapine purchased from MCE.

*Cell.* 2023 Nov 22;186(24):5290-5307.e26.  
AU-15330 purchased from MCE.

*Cell.* 2023 Nov 9;186(23):5114-5134.e27.  
Phorbol 12-myristate 13-acetate purchased from MCE.

*Nature.* 2023 Oct;622(7981):173-179.  
A-485, NU9056 purchased from MCE.

*Nature.* 2023 Oct;622(7981):139-148.  
Cycloheximide purchased from MCE.

*Nature.* 2023 Sep;621(7980):830-839.  
Cucurbitacin I purchased from MCE.

*Science.* 2023 Sep 22;381(6664):eadi3448.  
5-Ph-IAA purchased from MCE.

*Science.* 2023 Jun 9;380(6649):eabo2296.  
Tropifexor, Cilofexor purchased from MCE.

*Science.* 2022 Dec 2;378(6623):eabo5503.  
DAPT purchased from MCE.

## Cancer Research

Cat. No: HY-13259

**MG-132**

Proteasome Inhibitor

 556 Citations

Cat. No: HY-15763

**Erastin**


Ferroptosis Inducer

 158 Citations

Cat. No: HY-100558

**Bafilomycin A1**


V-ATPase Inhibitor

 239 Citations

Cat. No: HY-B0215

**Acetylcysteine**


ROS Inhibitor

 210 Citations

Cat. No: HY-10583

**Y-27632 dihydrochloride**


ROCK Inhibitor

 147 Citations

Cat. No: HY-13418A

**Dorsomorphin**


AMPK Inhibitor

 279 Citations

Cat. No: HY-10219

**Rapamycin**


mTOR Inhibitor

 529 Citations

Cat. No: HY-19312

**3-Methyladenine (3-MA)**

PI3K Inhibitor

 475 Citations

Cat. No: HY-100218A

**RSL3**


Ferroptosis Activator

 95 Citations

Cat. No: HY-10162

**Olaparib**

PARP Inhibitor

 139 Citations

Cat. No: HY-13757A

**Tamoxifen**

Estrogen Receptor Modulator

 Cited by *Cell*.

Cat. No: HY-100523

**ML385**


NRF2 Inhibitor

 182 Citations

Cat. No: HY-100579

**Ferrostatin-1**

Ferroptosis Inhibitor

 284 Citations

Cat. No: HY-17394

**Cisplatin**


DNA Alkylator

 263 Citations

Cat. No: HY-16658B

**Z-VAD-FMK**

Pan Caspase Inhibitor

 190 Citations

Cat. No: HY-10108

**LY294002**


PI3K Inhibitor

 562 Citations

Cat. No: HY-B0015

**Paclitaxel**


Antineoplastic Agent

 129 Citations

Cat. No: HY-114277

**Sotorasib**

KRAS G12C Covalent Inhibitor

 Cited by *Nat Genet*.

## Anti-Infection Research


Cat. No: HY-B1743A

**Puromycin dihydrochloride**

Antibiotic

 81 Citations

Cat. No: HY-13433

**Thapsigargin**Ca<sup>2+</sup>-ATPase Inhibitor 30 Citations

Cat. No: HY-16592

**Brefeldin A**


CRISPR/Cas9 Activator

 Cited by *Nat Microbiol*.

Cat. No: HY-100381

**Nigericin sodium salt**


NLRP3 Activator

 31 Citations

Cat. No: HY-13434

**Ionomycin**


Calcium Ionophore/Antibiotic

 Cited by *Cell Mol Immunol*.

Cat. No: HY-10221

**Vorinostat**

HDAC Inhibitor

 72 Citations

## Inflammation/Immunology Research

Cat. No: HY-17589A

### Chloroquine

Autophagy/TLRs Inhibitor

 224 Citations

Cat. No: HY-14648

### Dexamethasone


GR Agonist

 86 Citations

Cat. No: HY-15371

### Forskolin


Adenylate Cyclase Activator

 59 Citations

Cat. No: HY-12815A

### MCC950 sodium


NLRP3 Inhibitor

 96 Citations

Cat. No: HY-11109

### Resatorvid (TAK-242)


TLR4 Inhibitor

 291 Citations

Cat. No: HY-12318

### IBMX

Phosphodiesterase Inhibitor

 Cited by *Mol Cell*.

Cat. No: HY-B0579

### Cyclosporin A


Calcineurin Inhibitor

 71 Citations

Cat. No: HY-19363

### GW4869

N-SMase Inhibitor

 84 Citations

Cat. No: HY-18739

### PMA

SphK/PKC Activator


 40 Citations

## Neurological Disease Research

Cat. No: HY-13027

### DAPT


$\gamma$ -secretase Inhibitor

 72 Citations

Cat. No: HY-114153

### PLX5622


CSF1R Inhibitor

 Cited by *Nature*.

Cat. No: HY-18749

### SC79

Akt Activator

 104 Citations

## Metabolic Disease Research

Cat. No: HY-17386

### Rosiglitazone

PPAR $\gamma$  Agonist

 53 Citations

Cat. No: HY-B0240

### Disulfiram


ALDH1 Inhibitor

 Cited by *Nat Cancer*.

Cat. No: HY-B0627

### Metformin

AMPK Activator


 34 Citations

## Cardiovascular Disease Research

Cat. No: HY-B0468

### Isoprenaline hydrochloride

$\beta$ -adrenergic Receptor Agonist

 Cited by *Science*.

Cat. No: HY-17567A

### Heparin sodium salt


Anticoagulant

 Cited by *Cell Res*.

Cat. No: HY-18723

### Yoda 1

Piezo1 Agonist

 Cited by *Cancer Commun*.

## Endocrinology Research

Cat. No: HY-101952

### Prostaglandin E2


Hormone-like Substance

 Cited by *Cell Stem Cell*.

Cat. No: HY-N0583

### Hydrocortisone

Steroid Hormone

 Cited by *Nature*.

Cat. No: HY-B0141

### Estradiol

Female Sex Hormone

 35 Citations

## Recombinant Proteins

Cat. No: HY-P7109

**EGF, Human**

Cat. No: HY-P7025

**IFN-gamma, Human**

Cat. No: HY-P7118

**TGF beta 1/TGFB1, Human**

Cat. No: HY-P7058

**TNF-alpha/TNFSF2, Human**

Cat. No: HY-P7004

**FGF basic/bFGF, Human**

Cat. No: HY-P7085

**M-CSF, Mouse**

## Fluorescent Dyes

Cat. No: HY-D0969

**DiO**

Cat. No: HY-D0940

**H2DCFDA (Green)**

Cat. No: HY-W090090

**BODIPY 493/503**

Cat. No: HY-15534

**JC-1**

Cat. No: HY-D0041

**Calcein-AM**

Cat. No: HY-D1301

**BODIPY 581/591 C11**

## Biochemical Assay Reagents

Cat. No: HY-17031

**SBE- $\beta$ -CD**

Cat. No: HY-Y1891

**Tween 80**

Cat. No: HY-Y0320

**Dimethyl sulfoxide**

## Isotope-Labeled Compounds

Cat. No: HY-15162A

**MMAE-d<sub>8</sub>**

Cat. No: HY-13631AS

**Exatecan-d<sub>5</sub> mesylate**

Cat. No: HY-19939S

**VX-984**

## Peptides

Cat. No: HY-P1731B

**Tirzepatide hydrochloride**

Cat. No: HY-P0035

**Insulin (human)**

Cat. No: HY-13443

**Exendin-4**

## Inhibitory Antibodies

Cat. No: HY-P9906

**Bevacizumab**

Cat. No: HY-P9908

**Adalimumab**

Cat. No: HY-P9912

**Pertuzumab**

Cat. No: HY-P9926

**Dupilumab**

Cat. No: HY-P9901

**Ipilimumab**

Cat. No: HY-P9902

**Pembrolizumab**

## Kits

## Magnetic Beads and Agarose

Cat. No: HY-K0202

Protein A/G Magnetic Beads

Cat. No: HY-K0207

Anti-Flag Magnetic Beads

Cat. No: HY-K0208

Streptavidin Magnetic Beads

## Inhibitor Cocktails

Cat. No: HY-K0030

Deacetylase Inhibitor Cocktail

Cat. No: HY-K0021

Phosphatase Inhibitor Cocktail I

Cat. No: HY-K0010

Protease Inhibitor Cocktail

## Cell Culture and Analysis

Cat. No: HY-K0301

Cell Counting Kit-8

Cat. No: HY-K2014

PEI Transfection Reagent

Cat. No: HY-K1090

Cytotoxicity LDH Assay Kit

Cat. No: HY-K1014

PolyFast Transfection Reagent

Cat. No: HY-K1059

BM-Cyclin

Cat. No: HY-K0302

CTG Cell Viability Detection

## Other Kits

Cat. No: HY-K1005

Ultra High Sensitivity ECL Kit

Cat. No: HY-K1033

RNase Inhibitor

Cat. No: HY-K1001

RIPA Lysis Buffer (Strong)

## Customer Validation

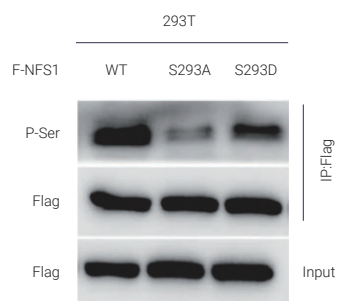
## Example 1

**Cell line:** 293T cells (WT, S293A mutant, S293D mutant)

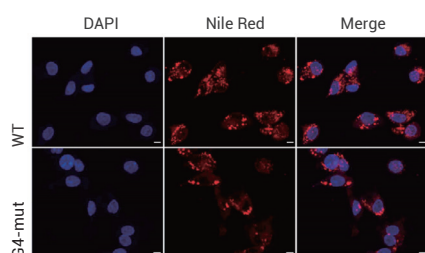
**Application:** IP analysis demonstrating the serine phosphorylation level of NFS1 in cells overexpressing WT NFS1 or the S293A or S293D mutant of NFS1 in the absence of Oxaliplatin (HY-K0202)

**Protein A/G Magnetic Beads**

Cited in: *Signal Transduct Target Ther.* 2022 Feb 28; 7(1):54.



## Example 2



**Cell line:** G4 cell lines

**Application:** The detection of TAG content in mutant and wild-type cells with Nile Red (HY-D0718) staining revealed that TAG content significant decrease obviously in G4-mutant cells.

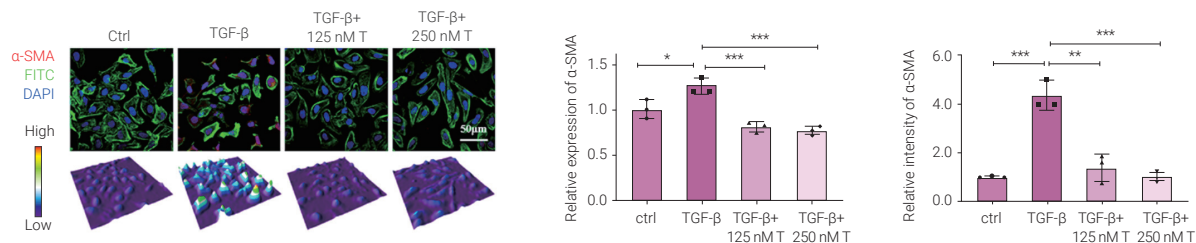
Cited in: *Nucleic Acids Res.* 2022 Jun 24;50(12):6953-67.

### Example 3

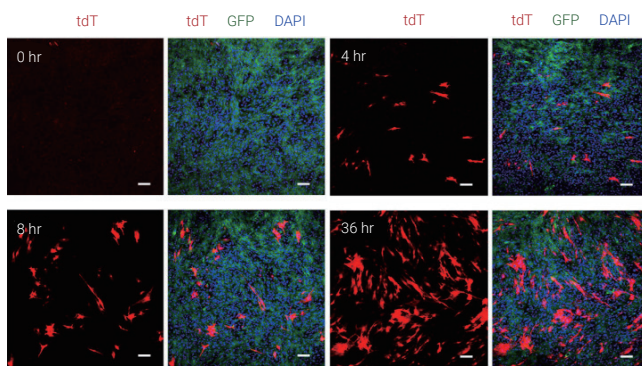
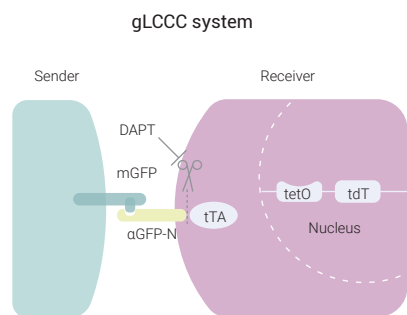
**Cell line:** HaCaT cell lines

**Application:** IF micrographs of **TGF- $\beta$  (HY-P7118, 5 ng/mL)** and tFNA-treated HaCaT cells (scar bars are 50  $\mu$ m), 3D-reconstruction diagrams, and statistical analyses of IF and WB results for protein expression.

Cited in: *ACS Appl Mater Interfaces*. 2022 Apr 6;14(13):15069-15079.



### Example 4



**Cell line:** CMs as sender cells and ECs as receiver cells

**Principle:** The artificially modified Notch signaling pathway is used to manipulate two adjacent cells in vivo. The ligand and receptor bind specifically, causing the conformational change of Notch across membrane segments.  $\gamma$ -secretase severs the connections between transmembrane and intracellular segments to release synthetic genetic elements in the intracellular segments, such as tTA and Gal4. This system is called the gLCCC system.

**Application:** The "sending" cells and "receiving" cells were co-cultured with **DAPT (HY-13027)** for 0-36 hours, respectively. tTA signal showed an obvious strengthening trend with the extension of time.

Cited in: *Science*. 2022 Dec 2;378(6623):eabo5503.

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