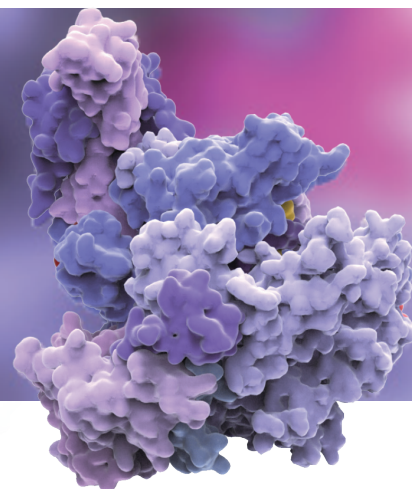


New Products

July 2021



MedChemExpress (MCE) offers a wide range of high quality research chemicals and biochemicals including novel bioactive compounds, dye reagents, peptides and natural compounds for laboratory and scientific use.

- Over 25,000 bioactive molecules in stock
- Target 375 key proteins in 20+ signaling pathways
- Quality reports (LC/MS, NMR and HPLC) for each product
- Release more than 500 of the newest biochemicals per month
- Data sheet with detailed biological information
- High purity & competitive prices
- Delivery within 24 hours

CAS No.: 1826843-81-5

Trastuzumab deruxtecan

Research Area: Antibody-drug Conjugate (ADC)/Breast/Gastric Cancer

Trastuzumab deruxtecan

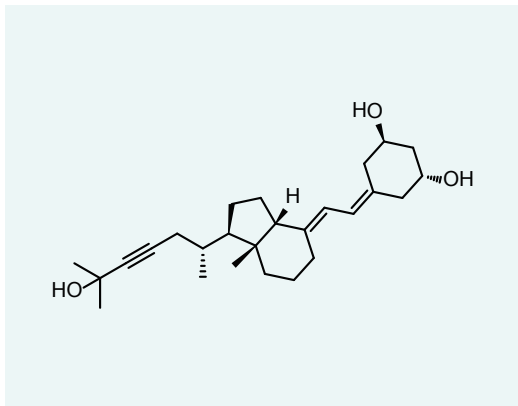
- **Anti-HER2 antibody-drug conjugate (ADC)** composed of a humanized anti-HER2 antibody, an enzymatically cleavable peptide-linker, and a topoisomerase I inhibitor.
- For the research of HER2-positive breast cancer and gastric cancer.

Form: 10 mg/mL Aqueous solution

CAS No.: 163217-09-2

Inecalcitol

Research Area: Vitamin D Receptor/Prostate Cancer

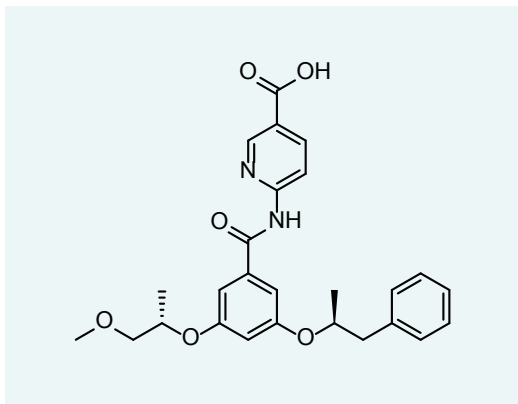


- A unique vitamin D3 analog and an orally active **vitamin D receptor (VDR)** agonist with a K_d of 0.53 nM.
- Higher antiproliferative effects and a 100-fold lower hypercalcemic activity than Calcitriol.
- Induces cell apoptosis and has potent anticancer activities.

CAS No.: 851884-87-2

GKA50

Research Area: Metabolic Enzyme/Glucokinase/Type 2 Diabetes



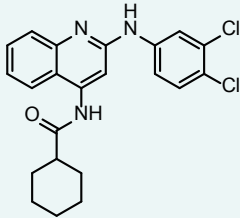
- Potent **glucokinase** activator (EC_{50} =33 nM at 5 mM glucose) and stimulates insulin release from mouse islets of Langerhans.
- Glucose-like activator of beta-cell metabolism in rodent and human islets and a Ca^{2+} -dependent modulator of insulin secretion.
- Shows significant glucose lowering in high fat fed female rats.

Solubility: DMSO: 46 mg/mL (99.03 mM; Need ultrasonic and warming)

CAS No.: 1116652-18-6

LUF6096

Research Area: Adenosine A3 Receptor/Myocardial Ischemia/Reperfusion Injury



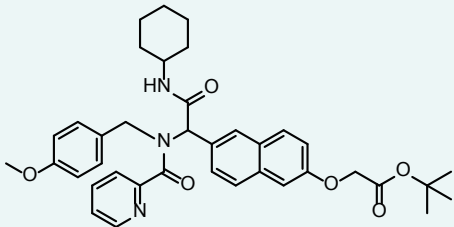
- Potent allosteric enhancer of the **adenosine A3 receptor (A3 AR)**.
- Provides greater A3 AR selectivity versus the A1 AR in terms of enhancing activity and exhibits almost negligible orthosteric effects on A1, A2A, and A3 ARs.
- Shows protective effects in myocardial ischemia/reperfusion injury.

Solubility: DMSO: 20 mg/mL (48.27 mM; Ultrasonic and warming to 60°C)

CAS No.: 886053-73-2

NY2267

Research Area: Myc-Max Dimerization/Diverse Cancers



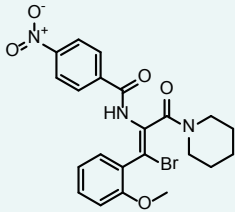
- Disruptor of **Myc-Max interaction**, with an IC_{50} of 36.5 μ M.
- Inhibits Myc- and Jun-induced transcriptional activation.

Solubility: DMSO: 250 mg/mL (392.00 mM; Need ultrasonic and warming)

CAS No.: 211364-06-6

AT-130

Research Area: HBV Replication/HBV Infection



- A phenylpropenamide derivative and a potent **hepatitis B virus (HBV) replication** non-nucleoside inhibitor.
- Blocks HBV replication at the level of viral RNA packaging and inhibits the viral DNA synthesis ($EC_{50} = 0.13 \mu\text{M}$).
- Inhibits replication of wild-type and mutant HBVs strains.

Solubility: DMSO: 25 mg/mL (51.19 mM; Need ultrasonic)

PCR Master Mix

MCE PCR Master Mix is provided as a ready-to-use, stabilized 2× formulation that includes all components for PCR except sample DNA, primers and water. MCE provides a series of PCR mix for various application scenarios such as standard PCR, fast PCR, high-fidelity PCR. High-performance products help you get high-quality amplification results.

Product Name	Application	Feature
HY-K0531 2× PCR Master Mix (with Dye)	Standard PCR	Bromophenol blue dye added PCR products with poly(A) tail
HY-K0532 2× Fast PCR Master Mix (with Dye)	Fast PCR	Bromophenol blue dye added PCR products with poly(A) tail
HY-K0533 2× High-Fidelity PCR Master Mix	High-fidelity PCR	No dye No poly(A) tail

Drug Repurposing Compound Library

Approved and clinical drugs have identified bioactivities, favorable pharmacokinetic characteristics and safety profiles. Compared with developing an entirely new drug, drug repurposing has various advantages, such as the lower risk of failure, accelerating the process of drug development, etc.

MCE owns a unique collection of 3500+ marketed compounds and clinical compounds. Those libraries, such as FDA-Approved Drug Library

([HY-L022](#) / [HY-L022P](#)) and Drug Repurposing Compound Library

([HY-L035](#) / [HY-L035P](#)), are excellent tools for drug repurposing.

Recent Publications Citing Use of MCE Products



Nature. 2021 Jun;594(7862):
277-282.



Cell. 2021 Jun 10;184(12):
3143-3162.e32.

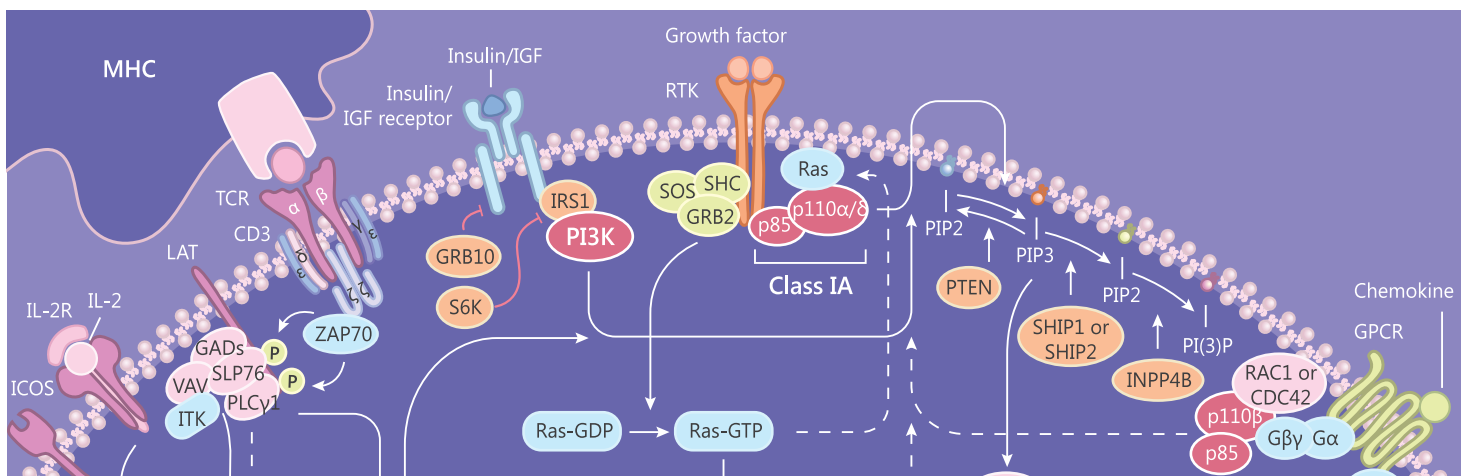


Nat Methods. 2021 Jun 14.



Nat Methods. 2021 May;
18(5):528-541.

Cell Signaling Pathways



MedChemExpress USA**Tel:** 609-228-6898**E-mail:** sales@MedChemExpress.com**Address:** 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA**MedChemExpress Europe****Tel:** +4686500910**E-mail:** eu.sales@MedChemExpress.com**Address:** Bergkällavägen 37C 192 79 Sollentuna SWEDEN

Products are for research use only and are not intended for human use. We do not sell to patients.