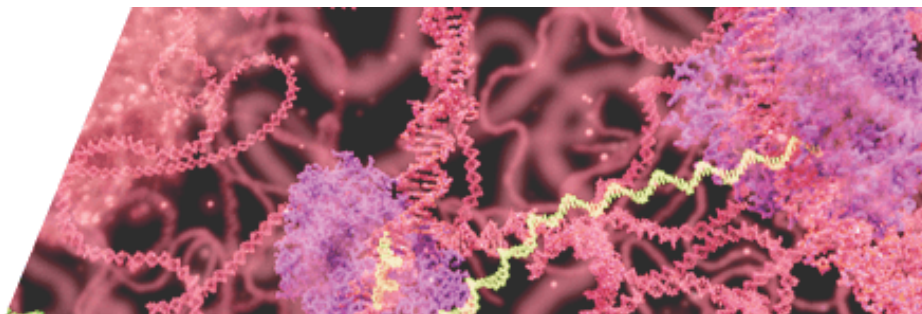


New Products

April 2020



MedChemExpress (MCE) provides a wide range of lifescience biochemicals, including more than 15,000 **bioactive compounds**, **dye reagents**, **peptides** and **natural compounds** for laboratory and scientific use. If you need these products, please do not hesitate to contact us via sales@MedChemExpress.com.

• Proteasome Inhibitor

Marizomib CAS No.: 437742-34-2

Marizomib (Salinosporamide A) is a second-generation, irreversible, brain-penetrant, **pan-proteasome** inhibitor. Marizomib inhibits the CT-L (β 5), CT-T-laspase-like (C-L, β 1) and trypsin-like (T-L, β 2) activities of the 20S proteasome (IC_{50} =3.5, 28, and 430 nM, respectively).

• FABP Inhibitor

SBFI-26 CAS No.: 1541207-06-0

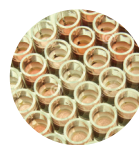
SBFI-26 is a selective and competitive inhibitor of fatty acid binding proteins **FABP5** and **FABP7**, with K_{iS} of 0.9 μ M and 0.4 μ M for FABP5 and FABP7, respectively.

SBFI-26 produces anti-nociceptive and anti-inflammatory effects.

• Epigenetic Reader Domain Inhibitor

MS31

MS31 is a potent, highly affinity and selective fragment-like methyllysine reader protein **spindlin 1 (SPIN1)** inhibitor. MS31 potently inhibits the interactions between SPIN1 and H3K4me3 (IC_{50} =77 nM, AlphaLISA; 243 nM, FP). MS31 is not toxic to nontumorigenic cells.



Compound Screening Libraries

50+ specific libraries for high throughput screening (HTS) and high content screening (HCS).

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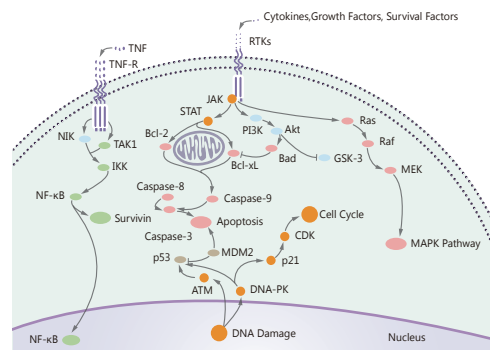
Cell Signaling Pathway

• MRTF Inhibitor

CCG-222740

CAS No.: 1922098-69-8

CCG-222740 is an orally active and selective **Rho/myocardin-related transcription factor (MRTF)** pathway inhibitor. CCG-222740 is also a potent inhibitor of alpha-smooth muscle actin protein expression. CCG-222740 effectively reduces fibrosis in skin and blocks melanoma metastasis.



• 5-LOX/COX Inhibitor

FPL 62064

CAS No.: 103141-09-9

FPL 62064 is a potent **5-lipoxygenase (5-LOX)** and COX dual inhibitor, with IC_{50} values of 3.5 μ M and 3.1 μ M for RBL-1 cytosolic 5-lipoxygenase and prostaglandin synthetase (cyclooxygenase), respectively. FPL 62064 has potent anti-inflammatory activity.

Recent Publications Citing Use of MCE:

1. **Nature**. 2020 Mar;579(7799):433-437.
2. **Nature**. 2020 Mar. doi: 10.1038/s41586-020-2127-x.
3. **Cancer Cell**. 2020 Mar 16;37(3):289-307.e9.
4. **Cancer Cell**. 2020 Mar 16;37(3):387-402.e7.

Other New Products This Month

EC5026 (sHE)		Afoxolaner (GABA Receptor)		OG-L002 (Histone Demethylase)	
MRTX849 (Ras)		Perospirone (5-HT Receptor)		Dihydropyridine (Dopamine Receptor)	
TCID (Deubiquitinase)		V-9302 hydrochloride (ASCT2)		FGTI-2734 mesylate (Farnesyl Transferase)	
SR-31747 (Sigma Receptor) ...					

MedChemExpress USA

Tel: 609-228-6898

E-mail: sales@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

NAMIKI SHOJI CO.,LTD.

Tel: +81-3-3354-4026

Fax: +81-3-3352-2196

E-mail: info@namiki-s.co.jp

Web: www.namiki-s.co.jp

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