



SMALL MOLECULES FOR STEM CELL RESEARCH

A 83-01

Potent and selective ALK4, 5 and 7 inhibitor. Prevents phosphorylation of Smad2/3 and growth inhibition induced by TGF β 2. Inhibits differentiation of rat induced pluripotent stem cells and increases clonal expansion efficiency. Together with AMI-5, A83-01 enabled Oct4-induced reprogramming of mouse embryonic fibroblasts.

\$ 105 / 10 mg

CHIR99021

GSK-3 inhibitor. Improves reprogramming efficiency and enhances the differentiation to cardiomyocyte and neurocyte.

\$ 89 / 5 mg

DAPT

γ -Secretase Inhibitor. Enhances the differentiation from PSCs to neurocyte.

\$ 120 / 10 mg

Dexamethasone

A synthetic anti-inflammatory glucocorticoid. Induces apoptosis in a variety of cell types. Induces osteogenic differentiation of human mesenchymal stem cells.

\$ 80 / 100 mg

Dorsomorphin

AMPK inhibitor. Enhances the differentiation from PSCs from cardiomyocyte. Along with SB 431542 and CHIR99021, enhances the differentiation to PSCs.

\$ 140 / 10 mg

Forskolin

Useful activator of adenylate cyclase. Induces stem cell neuronal differentiation. Cell permeable and active in vivo.

\$ 116 / 10 mg

\$ 174 / 25 mg

IBMX

Pan-specific inhibitor of phosphodiesterases. Inhibition of PDEs leads to increased concentration of intracellular cAMP which activates PKA2. Increase cell differentiation, decrease proliferation, and induce apoptosis.

\$ 38 / 100 mg

\$ 80 / 250 mg

trans-ISRIB

Integrated stress response inhibitor.

\$ 89 / 5 mg

IWP-2

PORCN inhibitor; inhibits processing and secretion of Wnt. Enhances the differentiation from PSCs to cardiomyocyte.

\$ 97 / 10 mg

IWR-1-endo

Potent inhibitor of Wnt signaling. Promotes self-renewal and maintains pluripotency of human embryonic stem cells. Promotes differentiation of pluripotent stem cells into cardiomyocytes

\$ 110 / 10 mg

LDN 193189

Potent and selective inhibitor of ALK2 and ALK3, thereby inhibiting SMAD1/5/8 phosphorylation. Promotes neuronal differentiation of human pluripotent stem cells,

\$ 180 / 10 mg

PD325901

Selective non-ATP competitive MEK inhibitor. Enhances self-renewal of embryonic stem cells. In combination with vitamin C, synergistically induces hypomethylation of mouse embryonic stem cells.

\$ 110 / 10 mg

RepSox

Potent inhibitor of the TGF- β type I receptor (ALK5), RepSox can replace Sox2 in reprogramming adult cells into pluripotent stem cells via induction of Nanog transcription. It was able to convert astrocytes into neuronal cells as part of a small molecule cocktail (along with valproic acid and CHIR99021).

\$ 140 / 10 mg

Rosiglitazone

Prototypical TZD antidiabetic agent. Potent and selective PPAR γ agonist. Induces differentiation of pluripotent stem cells into adipocytes5.

\$ 68 / 10 mg

SB431542

TGF- β RI, ALK4 and ALK7 inhibitor. Improves reprogramming efficiency along with PO0325901 or thiazovivin.

\$ 110 / 10 mg

Thiazovivin

TGF- β RI, ALK4 and ALK7 inhibitor. Improves reprogramming efficiency along with PO0325901 or thiazovivin.

\$ 118 / 5 mg

XAV 939

Tankyrase inhibitor. Antagonizes Wnt signaling downstream of receptor activation via stabilization of axin, a negative regulator of β -catenin. Robustly induces cardiomyogenesis of stem cells.

\$ 90 / 10 mg

Y-27632

P160ROCK inhibitor. Blocks apoptosis of dissociated PSCs and improves survival rate of cryopreserved PSCs.

\$ 120 / 5 mg

\$ 360 / 25 mg

\$ N/A / 150 mg





Cytokines, Growth Factors and other Recombinant Proteins

Recombinant Human Activin-A, Animal-free

activin-10	10 µg	\$ 185	
activin-50	50 µg	\$ 775	
activin-1000	1 mg	\$ 5,835	
activin-GMP	1 mg	inquiry	GMP Grade

Recombinant Human FGF-acidic (FGF-1)

NU03004-1	10 µg	\$ 70	
NU03004-2	100 µg	\$ 280	
NU03004-3	1 mg	\$ 1,200	

Recombinant Human FGF-basic, Animal-free

NU0005-1	10 µg	\$ 95	
NU0005-3	50 µg	\$ 215	
NU0005-6	1 mg	\$ 1299	

Recombinant Human LIF

NU0013-1	1 ml, 10 ⁶ units/ml	\$ 250	
NU0013-2	1 ml, 0.5 x 10 ⁷ units/ml	\$ 650	
NU0013-3	1 ml, 1.0 x 10 ⁷ units/ml	inquiry	

Recombinant Mouse LIF

NU0012-1	1 ml, 10 ⁶ units/ml	\$ 240	
NU0012-2	1 ml, 10 ⁷ units/ml	\$ 875	

Recombinant Human VEGF-165

NU03013-1	10 µg	\$ 180	
NU03013-2	100 µg	\$ 750	

Recombinant Human Vitronectin-398, Xeno-free

NU0006	500 µg	\$ 99	
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Recombinant Human Sonic Hedgehog (SHH)

NU03018-1	25 µg	\$ 195	
NU03018-2	100 µg	\$ 560	
NU03018-3	1 mg	\$ 2,800	

Recombinant Human Insulin, Animal-free

12878-86	50 mg	\$ 90	
12878-44	250 mg	\$ 335	
12878-31	1 g	\$ 1,030	

Recombinant Human Serum Albumin, Animal-free

19597-01	1 g	\$ 105	
19597-14	5 g	\$ 452	
NU12880-10G	10 g	\$ 580	

Recombinant Human Transferrin, Animal-free

NU03060-1	1 g	\$ 400	
NU03060-2	10 g	inquiry	

Recombinant Human KGF (FGF- 7), Animal-free

SP-KGF-R-010UG	10 µg	\$ 307	
SP-KGF-R-050UG	50 µg	\$ 941	
SP-KGF-R-001MG	1 mg	\$ 6,139	





Cytokines, Growth Factors and other Recombinant Proteins

Recombinant Human SCF, Animal-free

SP-SCF-R-010UG	10 µg	\$ 235
SP-SCF-R-050UG	50 µg	\$ 744
SP-SCF-R-001MG	1 mg	\$ 3,250

Recombinant Human BCL2

NU03051	100 µg	\$ 399
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Recombinant Human CDK2/ Cyclin A2 Complex

NU03042-1	10 µg	\$ 259
NU03042-2	100 µg	\$ 1199

Recombinant Human CDK2/ Cyclin E1 Complex

NU03041-1	10 µg	\$ 259
NU03041-2	100 µg	\$ 1199

Recombinant Human eIF4E, His-tagged

NU03061-1	2 µg	\$ 50
NU03061-2	10 µg	\$ 130
NU03061-3	100 µg	\$ 399

Recombinant Human eIF4E, complexes with eIF4G, His- tagged

NU03058-1	2 µg	\$ 50
NU03058-2	10 µg	\$ 130
NU03058-3	100 µg	\$ 399

Recombinant Human eIF4E, complexes with m7GTP

NU03059-1	2 µg	\$ 50
NU03059-2	10 µg	\$ 130
NU03059-3	100 µg	\$ 399

Recombinant Human MALT1

NU03055-1	20 µg	\$ 229
NU03055-2	50 µg	\$ 499
NU03055-3	500 µg	\$ 999

Recombinant Human MNK2

NU03023-1	2 µg	\$ 84
NU03023-2	10 µg	\$ 137
NU03023-3	100 µg	\$ 734

Recombinant Human MNK2, His-tagged

NU03023-1	2 µg	\$ 84
NU03023-2	10 µg	\$ 137
NU03023-3	100 µg	\$ 734

Recombinant Human MNK2 (D228G)

NU03049-1	2 µg	\$ 84
NU03049-2	10 µg	\$ 137
NU03049-3	100 µg	\$ 734

Recombinant Human MNK2 (D228G), His-tagged

NU03050-1	2 µg	\$ 84
NU03050-2	10 µg	\$ 137
NU03050-3	100 µg	\$ 734





Cytokines, Growth Factors and other Recombinant Proteins

Recombinant Human PKM2

NU03006-1	2 µg	\$ 50
NU03006-2	10 µg	\$ 190
NU03006-3	100 µg	\$ 750

Recombinant Human SOS1

NU03057-1	100 µg	\$ 499
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Recombinant Human SOS1, His-Avi-tagged

NU03048-1	100 µg	\$ 499
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Recombinant Human ME1

NU03052-1	10 µg	\$ 199
NU03052-2	25 µg	\$ 279
NU03052-3	100 µg	\$ 499

Recombinant Human ME2

NU03053-1	10 µg	\$ 119
NU03053-2	25 µg	\$ 135
NU03053-3	100 µg	\$ 400

Recombinant Human ME3

NU03054-1	10 µg	\$ 149
NU03054-2	50 µg	\$ 249
NU03054-3	100 µg	\$ 399

Recombinant Kras Wild-Type (WT), GST-Tag

NU03043-1	50 µg	\$ 299
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Recombinant Kras WildType(WT), GST-Tag, GDP Loaded

NU03043-1G	50 µg	\$ 339
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Recombinant Kras WildType(WT), GST-Tag, GppNHp Loaded

NU03043-1GP	50 µg	\$ 339
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Recombinant Kras (G12C), GST-Tag

NU03044-1	50 µg	\$ 299
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Recombinant Kras (G12C), GST-Tag, GDP Loaded

NU03044-1G	50 µg	\$ 339
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Recombinant Kras (G12C), GST-Tag, GDP Loaded, GppNHp Loaded

NU03044-1GP	50 µg	\$ 339
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Recombinant Kras (G12C), His-Tag

NU03019-1	50 µg	\$ 299
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Recombinant Kras (G12D), GST-Tag

NU03045-1	50 µg	\$ 299
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Recombinant Kras (G12D), GST-Tag, GDP Loaded

NU03045-1G	50 µg	\$ 339
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Recombinant Kras (G12D), GST-Tag, GDP Loaded, GppNHp Loaded

NU03045-1GP	50 µg	\$ 339
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