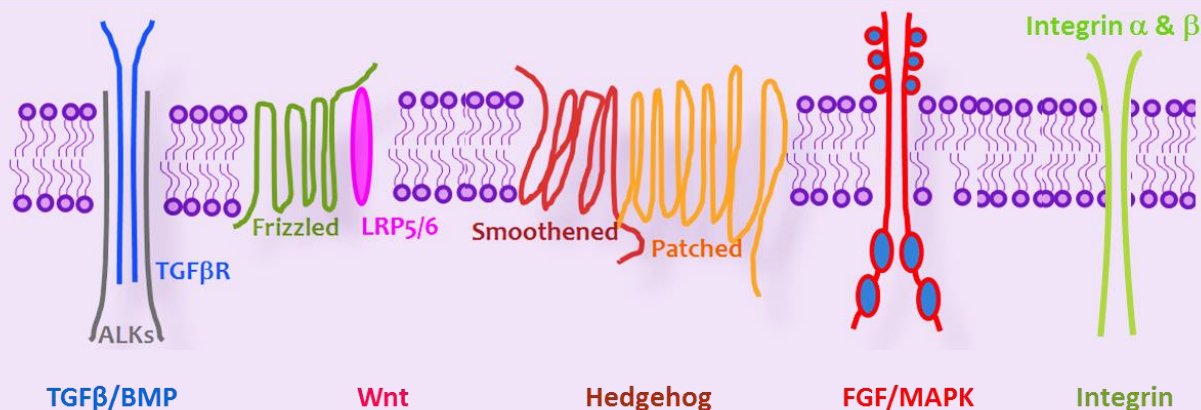


From Stemgent® - known for quality throughout the world !



Stemolecule (Small Molecules)

Product	Overview	Catalogue No.	Quantity
NEW WH-4-023	A potent Src and LCK inhibitor (IC ₅₀ < 10 nM)	04-0079	2 mg
NEW SB590885	A potent for and selective (>10-fold selectivity against C-RAF) inhibitor of B-RAF kinase	04-0080	2 mg
NEW IM-12	A potent and intracellular inhibitor of GSK-3β activates downstream components of canonical Wnt signaling and increasing β-catenin levels	04-0081	2 mg
Product	Overview	Catalogue No.	Quantity
CHIR99021	The most selective inhibitor of glycogen synthase kinase 3β (GSK-3β) reported to date	04-0004	2 mg
		04-0004-02	2 mg (10 mM sol.)
		04-0004-10	10 mg
LDN-193189	A cell permeable small molecule inhibitor of bone morphogenetic protein (BMP) type I receptor ALK2 and ALK3 (IC ₅₀ = 5nM and 30nM respectively)	04-0074	2 mg
		04-0074-02	2 mg (10 mM sol.)
		04-0074-10	10 mg
PD0325901	A small molecule targeting mitogen- activated protein kinase (MAPK/ERK kinase or MEK) with potential antineoplastic activity	04-0006	2 mg
		04-0006-02	2 mg (10 mM sol.)
		04-0006-10	10 mg
Wnt Inhibitor IWP-2	An antagonist of the Wnt/β- catenin pathway	04-0034	2 mg
Wnt Inhibitor IWP-3	An antagonist of the Wnt/β- catenin pathway	04-0035	2 mg
Wnt Inhibitor IWP-4	An antagonist of the Wnt/β- catenin pathway	04-0036	2 mg
XAV939	A cell- permeable small molecule inhibitor of the Wnt/β-catenin pathway	04-0046	2 mg

Top Sellers

[Reference of Top Selling Stemolecule]

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- Wang B, et al. (2011) Reprogramming efficiency and quality of induced Pluripotent Stem Cells (iPSCs) generated from muscle-derived fibroblasts of mdx mice at different ages. *PLoS Curr.* 3:RRN1274.
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Product	Overview	Catalogue No.	Quantity
A769662	A cell- permeable small molecule that activates AMP- activated protein kinase (AMPK)	04-0052	10 mg
A83-01	A selective inhibitor of the transforming growth factor- beta (TGF- β) type I receptor ALK5, the Activin/Nodal receptor ALK4, and the nodal receptor ALK7	04-0014	2 mg
ALK5 Inhibitor	A selective and ATP- competitive inhibitor of the TGF- β family type I receptor activin receptor- like kinase (ALK5)	04-0014-10	10 mg
All-Trans Retinoic Acid	An oxidized form of vitamin A and functions as a signaling molecule for various developmental pathways that control differentiation and proliferation	04-0015	1 mg
ec23®	A chemically- stable and light- stable alternative to ATRA that has similar biological activity and does not degrade	04-0021	100 mg
AM580	A highly specific small molecule agonist for retinoic acid receptor alpha (RAR α)	SRP002	5 mg
BI-D1870	A highly specific small molecule inhibitor of Ribosomal S6 Kinase (RSK1, RSK2, RSK3 and RSK4 isoforms), which acts as an ATP- competitive inhibitor of the N- terminal AGC kinase domain of RSK	SRP002-2	5 mg \times 2
BIO (6-bromoindirubin-3'-oxime)	A potent, reversible and ATP- competitive inhibitor for GSK- 3 α/β in the Wnt signaling pathway	04-0077	5 mg
BIX01294	A histone lysine methyltransferase (HMTase) inhibitor that selectively inhibits the G9a HMTase and the generation of histone H3 lysine 9 methylation (H3K9me2)	04-0051	10 mg
CD437	A retinoic acid receptor gamma (RAR γ) – selective retinoid agonist shown to effectively inhibit growth and induce apoptosis of a variety of cancer cells	04-0003	2 mg
Cyclopamine	A steroid alkaloid isolated from the corn lily (Veratrum californicum) and originally identified as a teratogenic agent	04-0002	5 mg
DAPT	A cell- permeable dipeptide, inhibits γ - secretase and indirectly inhibits Notch, a γ - secretase substrate	04-0078	5 mg
Dorsomorphin	A potent inhibitor of AMP- activated protein kinase (AMPK) (K _i = 109nM) and bone morphogenic protein (BMP) signaling	04-0022	2 mg
Doxycycline hyclate (Dox)	A broad spectrum antibiotic derivative of tetracycline and an inhibitor of matrix metalloproteinases	04-0041	5 mg
Forskolin	A natural compound produced by the Indian Coleus plant (Coleus forskohlii)	04-0024	2 mg
GDC-0941	A cell- permeable, selective small molecule that inhibits Class I phosphatidylinositide 3- kinase (P I 3K)	04-0016	10 mg
GSK429286A	A cell- permeable, selective small molecule inhibitor of Rho- associated, coiled containing protein kinase (ROCK)	04-0025	10 mg
IDE-1	A high throughput screen as an inducer of definitive endoderm (IDE) from embryonic stem (ES) cells	04-0047	5 mg
IDE-2	A high throughput screen as an inducer of definitive endoderm (IDE) from embryonic stem (ES) cells	04-0049	2 mg
IPA-3	An allosteric inhibitor of p21- activated kinase (Pak) activation	04-0026	2 mg
KAAD-Cyclopamine	A sonic hedgehog antagonist known to target Smoothened	04-0027	2 mg
KP372-1	A highly specific small molecule inhibitor of the P I 3K/Akt signaling cascade	04-0037	5 mg
Ku-0063794	A highly specific small molecule inhibitor of the mammalian target of rapamycin (mTOR)	04-0028	100 μ g
LY411575	A selective, cell- permeable, small molecule gamma secretase inhibitor which blocks Notch activation	04-0044	5 mg
PD173074	A potent, cell- permeable ATP- competitive inhibitor of fibroblast growth factor (FGF) receptor	04-0050	2 mg
Pifithrin-μ	A small molecule which inhibits p53 binding to mitochondria by reducing its affinity for antiapoptotic proteins Bcl- 2 and Bcl- XL	04-0008	2 mg
PS48	An allosteric small molecule that activates phosphoinositide- dependent protein kinase 1 (PDK1) by binding exclusively to the HM/PIF binding pocket rather than the ATP- binding site	04-0039	5 mg
Purmorphamine	A small molecule that promotes the differentiation of human and murine mesenchymal progenitor cells into osteoblasts	04-0076	5 mg
Pyrintegrin	A selective, cell permeable small molecules that was identified to enhance the survival of human embryonic stem cells (hESCs)	04-0009	5 mg
R(+)Bay K 8644	An L- type Ca ²⁺ channel activator 1, 2. This molecule has recently been demonstrated to enhance reprogramming efficiency	04-0072	1 mg
RG108	A cell- permeable small molecule that inhibits DNA methyltransferases	04-0013	5 mg
ROCK II Inhibitor	A specific inhibitor for type 2 Rho- associated, coiled- coil containing protein kinase (ROCK)	04-0001	10 mg
SB431542	An inhibitor of the transforming growth factor- beta 1 (TGF- β 1) activating receptor- like kinase (ALKs)	04-0030	2 mg
SC1 (Pluripotin)	A small molecule that regulate mouse embryonic stem (ES) cell self- renewal	04-0010	5 mg
SHH Antagonist	A sonic hedgehog (SHH) signaling antagonist that function by alcohol dehydrogenase 7 (Adh7) inhibition	04-0010-05	5 mg (10 mM sol.)
SMO Antagonist	An analog of SANT- 2	04-0010-10	10 mg
Sodium Butyrate	A known inhibitor of histone deacetylases (HDAGs)	04-0011	1 mg
Thiazovivin	A selective, cell permeable small molecule that directly targets Rho- associated kinase (ROCK)	04-0032	2 mg
Tranylcypromine hydrochloride	A cell- permeable small molecule that inhibits lysine- specific demethylase 1 (LSD1) in vivo	04-0031	2 mg
Valproic Acid	A histone deacetylase (HDAC) inhibitor which improves reprogramming efficiency by at least 100 fold	04-0005	500 mg
		04-0017	1 mg
		04-0033	10 mg
		04-0007	5 g

Stemfactor / Cytokine

Product	Catalogue No.	Quantity
Activin A, Human Recombinant	03-0001	5 μ g
BMP-4, Human Recombinant	03-0007	10 μ g
LIF, Human Recombinant	03-0016	1 ml, 10 μ g/ml
	03-0016-100	1 ml, 100 μ g/ml
LIF, Mouse Recombinant	03-0011	1 ml, 10 μ g/ml
	03-0011-100	1 ml, 100 μ g/ml
Noggin, Human Recombinant	03-0006	10 μ g
Sonic Hedgehog, Human Recombinant	03-0008	25 μ g
TGF-β1, Human Recombinant	03-0004	5 μ g

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