

Stem Cells

Expansion/Maintenance

SR1 (Stemregenin 1)

Extends the pluripotency of hematopoietic stem cells by antagonizing the arylhydrocarbon receptor.^{1,2}

Product No: 10-4508 1 mg 5 mg

DJ001

Protein tyrosine phosphatase-sigma (PTPσ) inhibitor that promotes hematopoietic stem cell regeneration.³

Product No: 10-3800 5 mg 25 mg

Eltrombopag

Thrombopoietin receptor agonist that maintains human hematopoietic stem and progenitor cells under inflammatory conditions.⁴

Product No: 10-3768 5 mg 25 mg

SB-203580

Promotes the *ex vivo* expansion of hematopoietic stem cells⁵ and mesenchymal stem cells⁶.

Product No: 10-2173 5 mg 25 mg

Trichostatin A

Enhanced the expansion and maintenance of CD34⁺ peripheral hematopoietic stem and progenitor cells *ex vivo*.⁷

Product No: 10-2110 1 mg 5 mg

SB-216763

Glycogen synthase kinase α/β inhibitor that maintains embryonic stem cells in a pluripotent state.⁸

Product No: 10-2338 5 mg 25 mg

A 83-01

Inhibits differentiation of induced pluripotent stem cells and increases clonal expansion efficiency.^{9,10}

Product No: 10-1327 5 mg 25 mg

IWR-1 endo

Promotes self-renewal and maintains pluripotency of human embryonic stem cells.¹¹

Product No: 10-5081 5 mg 25 mg

Go-6983

Protein kinase C inhibitor that maintains rat embryonic stem cell pluripotency.¹²

Product No: 10-2621 1 mg 5 mg

CH-223191

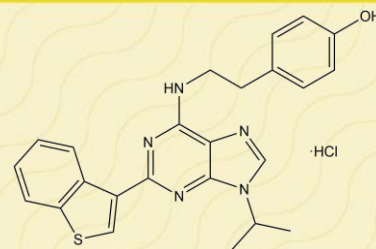
Aryl hydrocarbon receptor antagonist that promotes the expansion of human hematopoietic stem cells.¹³

Product No: 10-3089 5 mg 25 mg

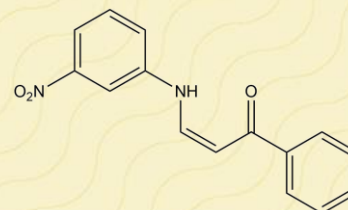
TPCA-1

Promotes the expansion of hematopoietic stem/progenitor cells *via* improved glycolysis and limited ROS production.¹⁴

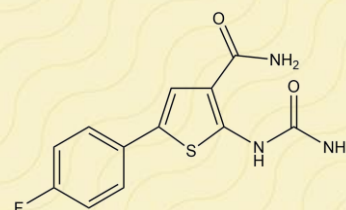
Product No: 10-5571 5 mg 25 mg



SR1



DJ001



TPCA-1

REFERENCES

1. Boitano *et al.* (2010) *Science* **329** 1354
2. Tao *et al.* (2017) *J. Stem Cells Regen. Med.* **13** 75
3. Zhang *et al.* (2019) *Nat. Commun.* **10** 3667
4. Alvarado *et al.* (2019) *Blood* **133** 2043
5. Zou *et al.* (2012) *Ann. Hematol.* **91** 813
6. Alyazici and Kocabas (2022) *Adv. Exp. Med. Biol.* **1387** 43
7. Tatetsu *et al.* (2019) *Exp. Hematol.* **75** 53
8. Kirby *et al.* (2012) *PLoS One* **7** e39329
9. Li *et al.* (2009) *Cell Stem Cell* **4** 16
10. Gurung *et al.* (2015) *Sci. Rep.* **5** 15042
11. Kim *et al.* (2013) *Nat. Commun.* **4** 4403
12. Rajendran *et al.* (2013) *J. Biol. Chem.* **288** 24351
13. Carlin *et al.* (2013) *Cytotherapy* **15** 224
14. Sun *et al.* (2021) *Exp. Cell Res.* **399** 112468