

# Stem Cells

## Expansion/Maintenance

### SR1 (Stemregenin 1)

Extends the pluripotency of hematopoietic stem cells by antagonizing the arylhydrocarbon receptor.<sup>1,2</sup>

**Product No: 10-4508**

1 mg

5 mg

### DJ001

Protein tyrosine phosphatase-sigma (PTPα) inhibitor that promotes hematopoietic stem cell regeneration.<sup>3</sup>

**Product No: 10-3800**

5 mg

25 mg

### Eltrombopag

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

**Product No: 10-3768**

5 mg

25 mg

### SB 203580

Promotes the *ex vivo* expansion of hematopoietic stem cells<sup>5</sup> and mesenchymal stem cells<sup>6</sup>.

**Product No: 10-2173**

5 mg

25 mg

### Trichostatin A

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

**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.<sup>8</sup>

**Product No: 10-2338**

5 mg

25 mg

### A 83-01

Inhibits differentiation of induced pluripotent stem cells and increases clonal expansion efficiency.<sup>9,10</sup>

**Product No: 10-1327**

5 mg

25 mg

### IWR-1 endo

Promotes self-renewal and maintains pluripotency of human embryonic stem cells.<sup>11</sup>

**Product No: 10-5081**

5 mg

25 mg

### Go-6983

Protein kinase C inhibitor that maintains rat embryonic stem cell pluripotency.<sup>12</sup>

**Product No: 10-2621**

1 mg

5 mg

### CH-223191

Aryl hydrocarbon receptor antagonist that promotes the expansion of human hematopoietic stem cells.<sup>13</sup>

**Product No: 10-3089**

5 mg

25 mg

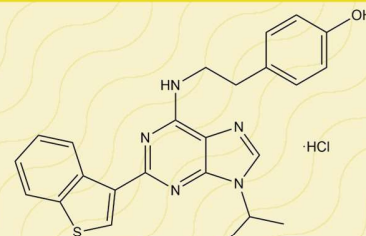
### TPCA-1

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

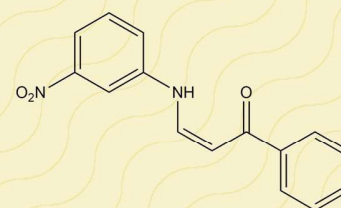
**Product No: 10-5571**

5 mg

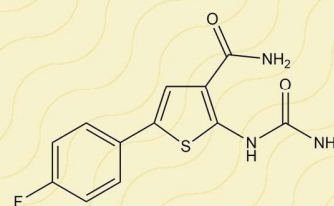
25 mg



**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