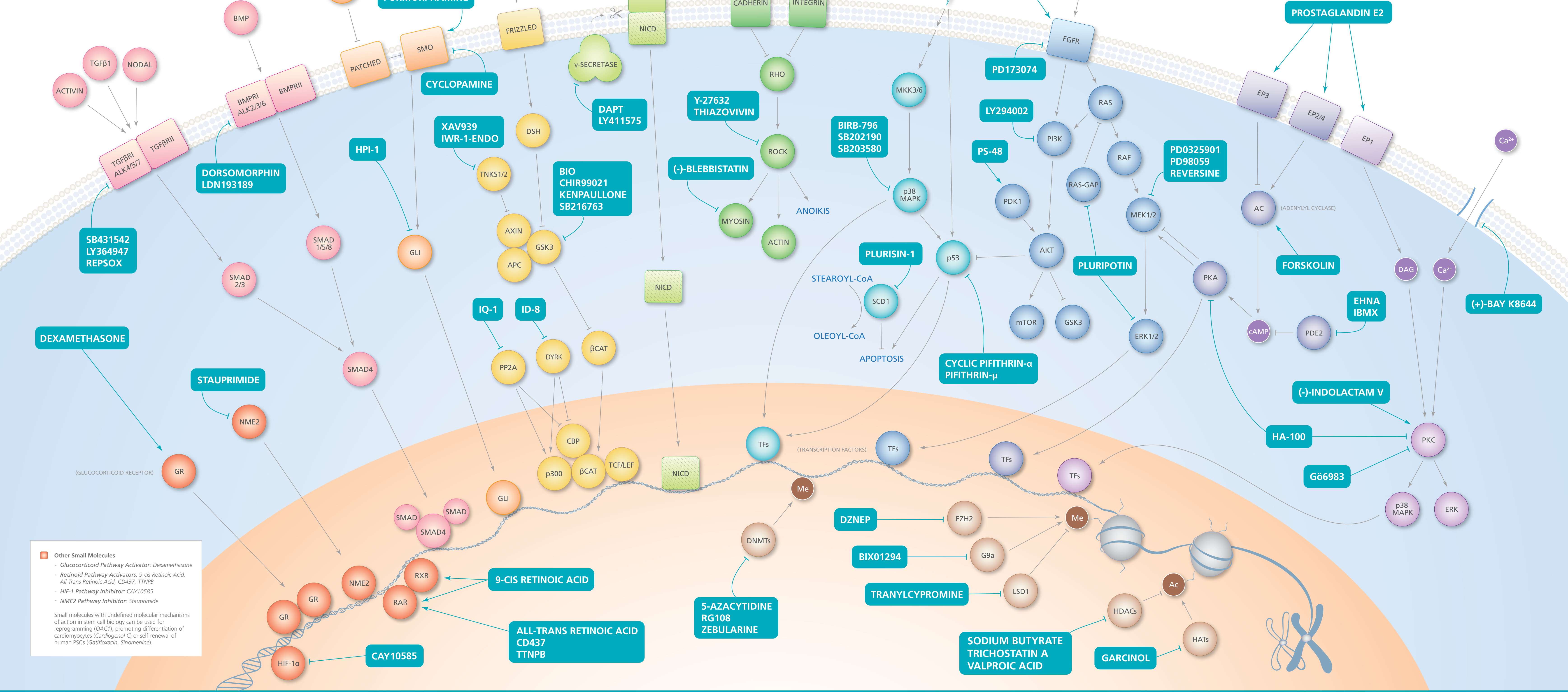


## Small Molecules, Big Impact In Pluripotent Stem Cell Research

Whether to affect self-renewal, survival, or differentiation of pluripotent stem cells (PSCs), or to aid reprogramming to an induced pluripotent stem cell state, choosing the right small molecule can transform a research project. STEMCELL Technologies offers small molecules that are being widely used in high-impact research to target key pathways in stem cell biology. For more information and examples of how these molecules are being used in PSC research, visit [www.stemcell.com/smallmolecules](http://www.stemcell.com/smallmolecules).

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**Generation of Human iPS Cells:**

- TeSR™-E7™ (Cat #05914) for reprogramming fibroblasts
- ReproTeSR™ (Cat #05926) for reprogramming fibroblasts, urine-derived cells, or blood-derived cells as part of an integrated workflow with the Erythroid Progenitor Reprogramming Kit (Cat #05924) or CD34+ Progenitor Reprogramming Kit (Cat #05925)

**Maintenance of Human ES and iPS Cells:**

- mTeSR™ Plus (Cat #100-0276), a cGMP, stabilized, feeder-free maintenance medium with enhanced pH buffering
- eTeSR™ (Cat #100-1215), a stabilized, feeder-free maintenance medium optimized for single-cell passaging
- TeSR™-AOF (Cat #100-0401), an animal origin-free, stabilized, feeder-free maintenance medium
- mTeSR™1 (Cat #85850), the most published feeder-free hPSCs maintenance medium
- TeSR™-E8™ (Cat #05990) a simplified, xeno-free, feeder-free, animal origin-free maintenance medium

**Differentiation of Human ES and iPS Cells:**

- STEMdiff™ Neural System for generating, expanding, and cryopreserving NPCs, and differentiating neurons and glia
- STEMdiff™ Cardiomyocyte System for differentiating, maintaining, and cryopreserving atrial or ventricular cardiomyocytes
- STEMdiff™ Hematopoietic System for generating hematopoietic progenitor cells, immune cells, and blood cells
- STEMdiff™ APEL™2 (Cat #05270) lineage-neutral media supporting custom differentiation protocols along ectoderm, mesoderm, and endoderm lineages with the addition of relevant cytokines and/or small molecules

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