

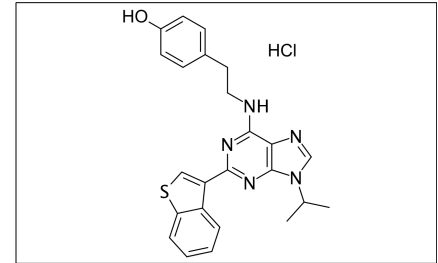


Product Information

Product ID S7618
CAS No.
Chemical Name

Synonym SR1

Formula $C_{24}H_{23}N_5OS \cdot HCl$
Formula Wt. 466.00
Melting Point
Purity $\geq 98\%$
Solubility DMSO: ≥ 33 mg/mL



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S7618	5 mg	\$76.80
S7618	25 mg	\$277.30
S7618	50 mg	\$430.60

Store Temp $-20^{\circ}C$
Ship Temp Ambient

Description StemRegenin is an immunostimulatory antagonist at the aryl hydrocarbon receptor (AhR). StemRegenin 1 increases dendritic cell production, allogenic T cell responses, and IFN- α , TNF- α , and IL-12 expression. In combination with BMP4 and PGE2, stemRegenin 1 induces differentiation and expression of inducible pluripotent stem cells (iPSCs).

References Thordardottir S, Hangalapura BN, Hutten T, et al. The aryl hydrocarbon receptor antagonist StemRegenin 1 promotes human plasmacytoid and myeloid dendritic cell development from CD34+ hematopoietic progenitor cells. *Stem Cells Dev.* 2014 May 1;23(9):955-67. PMID: 24325394.

Gori JL, Chandrasekaran D, Kowalski JP, et al. Efficient generation, purification, and expansion of CD34(+) hematopoietic progenitor cells from nonhuman primate-induced pluripotent stem cells. *Blood.* 2012 Sep 27;120(13):e35-44. PMID: 22898598.

Boitano AE, Wang J, Romeo R, et al. Aryl hydrocarbon receptor antagonists promote the expansion of human hematopoietic stem cells. *Science.* 2010 Sep 10;329(5997):1345-8. Erratum in: *Science.* 2011 May 6;332(6030):664. PMID: 20688981.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.