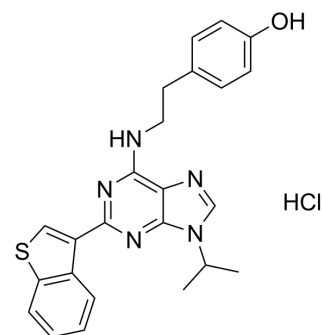


Stemregenin 1 hydrochloride

Cat. No.:	HY-15001A
CAS No.:	2319882-01-2
Molecular Formula:	C ₂₄ H ₂₄ ClN ₅ OS
Molecular Weight:	466
Target:	Aryl Hydrocarbon Receptor
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Stemregenin 1 hydrochloride is a purine derivative that antagonizes aryl hydrocarbon receptor signaling in CD34+ cells. IC₅₀ The value is 127 nM. Stemregenin 1 hydrochloride can be used to expand the pluripotency of hematopoietic stem cells (HSC) in stem cell studies^[1].

CUSTOMER VALIDATION

- Sci Adv. 2022 Mar 18;8(11):eabf8627.
- J Hazard Mater. 2020 Mar 5;385:121521.
- Theranostics. 2021; 11(18):8797-8812.
- Int J Biol Macromol. 2023 Sep 15;126920.
- Ecotoxicol Environ Saf. 2023 Dec 5:269:115782.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Boitano AE, et al. Aryl hydrocarbon receptor antagonists promote the expansion of human hematopoietic stem cells. Science. 2010 Sep 10;329(5997):1345-8

Caution: Product has not been fully validated for medical applications. For research use only.

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