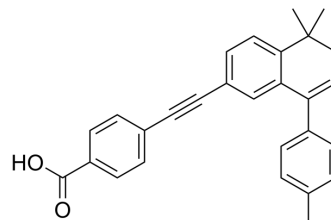


AGN 193109 (GMP)

Cat. No.:	HY-U00449G
CAS No.:	171746-21-7
Molecular Formula:	C ₂₈ H ₂₄ O ₂
Molecular Weight:	392.49
Target:	RAR/RXR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AGN 193109 (GMP) is AGN 193109 (HY-U00449) produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture. AGN 193109 is a specific and highly effective retinoic acid receptor (RAR) antagonist ^{[1][2]} . AGN 193109 (GMP) is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
In Vitro	AGN 193109 (0.1 and 1 μmol/L; 3 w) dose-dependently increases vascular smooth muscle cells (VSMCs) mineralization ^[1] . AGN 193109 (100 nM; 10 d) induces human pluripotent stem cells (hPSCs) differentiate into olfactory placode cells and neurons ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Sci Adv. 2020 Nov 4;6(45):eaaz1410.
- Allergy. 2021 Aug 8.
- Cancer Res. 2023 May 15;CAN-22-3977.
- Research Square Preprint. 2023 Nov 17.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Rogers MA, et al. Retinoids Repress Human Cardiovascular Cell Calcification With Evidence for Distinct Selective Retinoid Modulator Effects. *Arterioscler Thromb Vasc Biol.* 2020 Mar;40(3):656-669.

[2]. Bricker RL, et al. A Molecular Analysis of Neural Olfactory Placode Differentiation in Human Pluripotent Stem Cells. *Stem Cells Dev.* 2022 Sep;31(17-18):507-520.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA