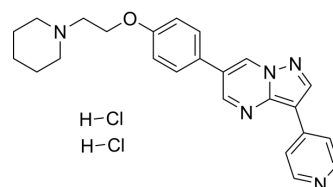


Dorsomorphin dihydrochloride (GMP)

Cat. No.:	HY-13418G
CAS No.:	1219168-18-9
Molecular Formula:	C ₂₄ H ₂₇ Cl ₂ N ₅ O
Molecular Weight:	472.41
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dorsomorphin dihydrochloride (GMP) is the GMP level of Dorsomorphin dihydrochloride (HY-13418). GMP guidelines are used to produce Dorsomorphin dihydrochloride (GMP). GMP small molecules works appropriately as an auxiliary reagent for cell research manufacture. Dorsomorphin dihydrochloride (GMP) is a potent, selective and ATP-competitive AMPK inhibitor. Dorsomorphin dihydrochloride (GMP) can be used for the research of induced differentiation of pluripotent stem cells (PSCs) [1][2].
In Vitro	Dorsomorphin dihydrochloride (GMP) is an important component of neural induction medium ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Signal Transduct Target Ther. 2022 Nov 30;7(1):384.
- Nat Nanotechnol. 2021 Jul;16(7):830-839.
- Cell Metab. 2021 Mar 2;33(3):565-580.e7.
- Cell Stem Cell. 2023 Apr 6;30(4):450-459.e9.
- Mil Med Res. 2020 Sep 6;7(1):42.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Fjodorova, Marija, et al. Robust Induction of DARPP32-Expressing GABAergic Striatal Neurons from Human Pluripotent Stem Cells. *Methods in molecular biology* (Clifton, N.J.) vol. 1780 (2018): 585-605.
- [2]. Piragyte, Indre et al. A metabolic interplay coordinated by HLX regulates myeloid differentiation and AML through partly overlapping pathways. *Nature communications* vol. 9,1 3090. 6 Aug. 2018.

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

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