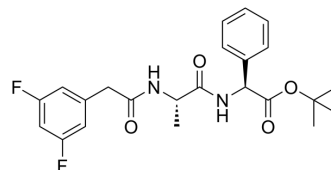


DAPT (GMP)

Cat. No.:	HY-13027G
CAS No.:	208255-80-5
Molecular Formula:	C ₂₃ H ₂₆ F ₂ N ₂ O ₄
Molecular Weight:	432.46
Target:	γ-secretase
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DAPT (GSI-IX) (GMP) is DAPT (HY-13027) produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture. DAPT is a potent and orally active γ-secretase inhibitor ^{[1][2]} .
In Vitro	DAPT (GMP) (9 d) induces human induced pluripotent stem cells develop into expandable myoblasts ^[1] . DAPT (GMP) (13 d) induces human pluripotent stem cells (hPSCs) develop into functional neurons ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Science. 2022 Dec 2;378(6623):eabo5503.
- Nat Biotechnol. 2023 Jan 16.
- Mil Med Res. 2020 Sep 6;7(1):42.
- Nat Commun. 2023 Oct 20;14(1):6669.
- Neuro Oncol. 2023 Apr 21;noad079.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Choi IY, et al. Concordant but Varied Phenotypes among Duchenne Muscular Dystrophy Patient-Specific Myoblasts Derived using a Human iPSC-Based Model. Cell Rep. 2016 Jun 7;15(10):2301-2312.

[2]. Qi Y, et al. Combined small-molecule inhibition accelerates the derivation of functional cortical neurons from human pluripotent stem cells. Nat Biotechnol. 2017 Feb;35(2):154-163.

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