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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DAPT

γ-secretase inhibitor
Catalog No. SIH-378



Discovery through partnership | Excellence through quality

Overview

Product Name

DAPT

Description

γ-secretase inhibitor

Purity

>99%

CAS No.

208255-80-5

Molecular Formula

C₁₁H₁₁FIN₁O₁

Molecular Weight

432.46

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO

Source

Synthetic

Appearance

White to off-white powder

SMILES

[C@H](NC(=O)[C@@H](NC(=O)CC1=CC(=CC(=C1)F)F)C)(C2=CC=CC=C2)C(OC(C)(C)C)=O

InChI

InChI=1S/C23H26F2N2O4/c1-14(26-19(28)12-15-10-17(24)13-18(25)11-15)21(29)27-20(16-8-6-5-7-9-16)22(30)31-23(2,3)4/h5-11,13-14,20

H,12H2,1-4H3,(H,26,28)(H,27,29)/t14-,20-/m0/s1

InChIKey

DWJXYEABWRJFSP-XOBRGWDA-SA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

DAPT (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-378)

Biological Description

Alternative Names

N-[(3,5-Difluorophenyl)acetyl]-L-alanyl-2-phenylglycine-1,1-dimethylethyl ester

Research Areas

Cell Signaling, Neuroscience

PubChem ID

5311272

Scientific Background

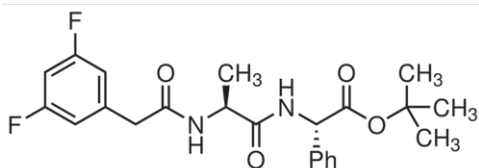
Inhibitor of β -secretase; causes a reduction in A β 40 and A β 42 levels in human primary neuronal cultures (IC₅₀ values are 115 and 200 nM for total A β and A β 42 respectively) and in brain extract, cerebrospinal fluid and plasma in vivo. Does not affect APP β and APP α levels. Blocks Notch signaling in hybrid human-mouse fetal thymus organ culture (FTOC). Activity causes neural cells to commit to neuronal differentiation.

References

1. Dovey H.F., et al. (2001) J. Neurochem. 76(1): 173-81.
2. De Smedt M., et al. (2005) Blood. 106(10): 3498-506.
3. Kanungo J., et al. (2008) J. Neurochem. 106(5): 2236-48.

Product Images

Chemical structure of DAPT (SIH-378), a β -secretase inhibitor. CAS #: 208255-80-5.
Molecular Formula: C₂₃H₂₆F₂N₂O₄. Molecular Weight: 432.46 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.