DAPT

γ-Secretase inhibitor

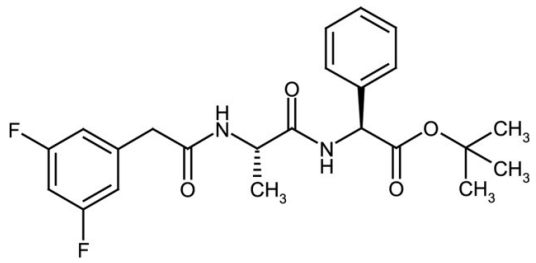
Cell permeable inhibitor of γ-secretase (IC_{50}=115nM for total β-amyloid, IC_{50}=200nM for β-amyloid 1-42). It reduces Aβ levels *in vivo* in plasma and cerebrospinal fluid in young and aged Tg2576 mice. It blocks the proteolytic processing of neurotrophin receptor alike death domain protein (NRADD)Does not inhibit presenilinase. Antagonizes Notch signaling through inhibition of Notch processing. DAPT treatment can influence hematopoietic cell fate decisions and enhances neuronal differentiation in embryonic stem cell-derived embryoid bodies independent of sonic hedgehog (shh) signaling.

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Ordering Information Order Online »

ALX-270-416-M005	5mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 3 months when stored at -20°C.
Handling	Protect from light. Packaged under inert gas. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-[N-(3,5-Difluorophenacetyl-L-alanyl)]-S-phenylglycine t-butyl ester, γ-Secretase inhibitor IX
Appearance	White to off-white solid.
CAS	208255-80-5
Couple Target	Secretase
Couple Type	Inhibitor
Formula	$C_{23}H_{26}F_2N_2O_4$
Identity	Determined by NMR.
MW	432.5
Purity	≥98% (HPLC)
Solubility	Soluble in 100% ethanol, DMSO (20mg/ml) or dichloromethane.

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