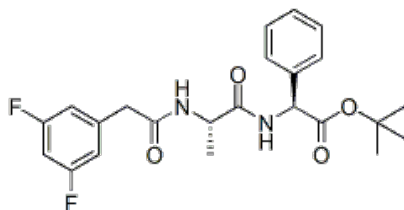


Product Sheet

DAPT

Catalog #	DAPT-02; DAPT-10; DAPT-50
Description	DAPT is a γ -secretase inhibitor that blocks Notch signaling. As an inhibitor of Notch, DAPT has been used to study autoimmune and lymphoproliferative diseases, such as ALPS and lupus erythematosus (SLE). As an inhibitor of γ -secretase with IC ₅₀ of 0.115 and 0.2 μ M for total A β and A β 42 levels, respectively, DAPT may be useful in the study of β -amyloid (A β) formation. It is shown to cause a reduction in A β 40 and A β 42 levels in human primary neuronal cultures and in brain extract, cerebrospinal fluid and plasma in vivo.
Formulation	Powder
Reconstitution	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
Stability	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
Purity	Greater than 99% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
Biological Activity	In a cell-based assay measuring the activation of the Notch pathway reporter gene, this compound gave IC ₅₀ of 500 nM.

Structural Info



M.Wt: 432.46
Formula: C₂₃H₂₆F₂N₂O₄
Solubility: up to 100 mM in DMSO
CAS No.: 208255-80-5

For Research Use Only. Not for Use in Humans.