

Product Datasheet

DAPT (orb1300985)

Catalog Number	orb1300985
Category	Small Molecules
Description	DAPT (LY-374973) is an orally bioavailable γ -secretase inhibitor that reduces total A β and A β 42 production (IC ₅₀ =115/200 nM) and inhibits Notch signaling. This small molecule is used in research to study Alzheimer's disease pathways and cellular processes like differentiation, autophagy, and apoptosis in both in vitro and in vivo models.
Target	Beta Amyloid,Gamma-secretase,Apoptosis,Autophagy
Purity	99.81%
MW	432.46
Target Areas	Autophagy Beta Amyloid Gamma-secretase Apoptosis
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:4.33 mg/mL (10.01 mM);H ₂ O:Insoluble;DMSO:262.5 mg/mL (606.99 mM)
CAS Number	208255-80-5
Formula	C ₂₃ H ₂₆ F ₂ N ₂ O ₄
SMILES	C[C@H](NC(=O)Cc1cc(F)cc(F)c1)C(=O)N[C@H](C(=O)OC(C)(C)C)c1ccccc1
Storage	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)