



LKT Laboratories, Inc.

DAPT

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## Product Information

Product ID D0260

CAS No. 208255-80-5

**Chemical Name**

Synonym GSI-IX

Formula  $C_{23}H_{26}F_2N_2O_4$

Formula Wt. 432.47

**Melting Point**

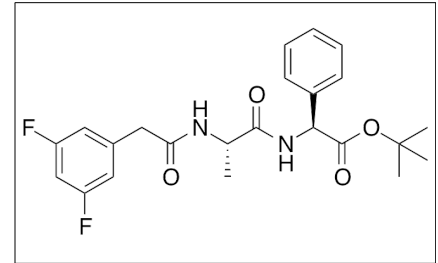
Purity  $\geq 98\%$

Solubility DMSO:  $\geq 215$  mg/mL

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** DAPT is a  $\gamma$ -secretase inhibitor that suppresses Notch signaling and exhibits neuroprotective and anticancer activities. DAPT inhibits proliferation of cancer stem cells. It also promotes differentiation of neural stem cells into neurons with Lingo-1 shRNA as a possible treatment for spinal cord injury.



**Bulk quantities available upon request**

Product ID	Size
D0260	1 mg
D0260	5 mg
D0260	25 mg

**References** Liu J, Mao Z, Huang J, et al. Blocking the NOTCH pathway can inhibit the growth of CD133-positive A549 cells and sensitize to chemotherapy. *Biochem Biophys Res Commun.* 2014 Feb 21;444(4):670-5. PMID: 24502949.

Wang J., Ye Z., et al. Lingo-1 shRNA and Notch signaling inhibitor DAPT promote differentiation of neural stem/progenitor cells into neurons. *Brain Res.* 1634:34-44 (2016). PMID: 26607252.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.