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## CERTIFICATE OF ANALYSIS

Product name: **DAPT**

Cat. number: **VD-AM-0109**

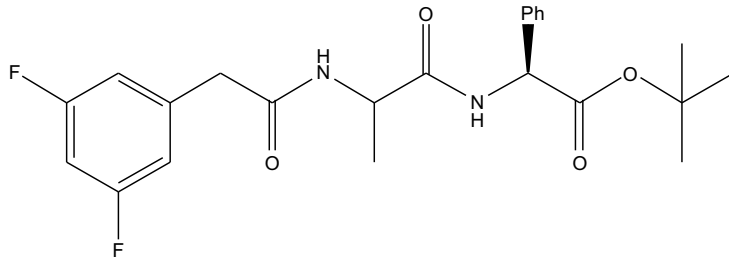
CAS Number: **208255-80-5**

Lot number: **VD12-1272408**

### Personal protective equipment

■ Lab coat.

■ Safety glasses.



### Product Specification

**Formula:** C<sub>23</sub>H<sub>26</sub>F<sub>2</sub>N<sub>2</sub>O<sub>4</sub>

**MW:** 432.46

**Purity:** >=95%

**Appearance:** White solid.

**Solubility:** 100 mM in DMSO.

**Storage:** -20°. **Protect from light.**

**Synonyms:** γ-Secretase inhibitor

### Product Description:

Inhibitor of γ-secretase; causes a reduction in Aβ<sub>40</sub> and Aβ<sub>42</sub> levels in human primary neuronal cultures (IC<sub>50</sub> values are 115 and 200 nM for total Aβ and Aβ<sub>42</sub> respectively) and in brain extract, cerebrospinal fluid and plasma in vivo. Does not effect APPα and APPβ levels. Blocks notch signaling in hybrid human-mouse foetal thymus organ culture (FTOC).

### Product Reference:

- 1.Morohashi, Y., et al. 2006. J. Bio. Chem. Vol. 281, 14670.
- 2.Nishitomo, K. et al. 2006 J. Neurochem. 99, 1555.
- 3.Oddo, S., et al. 2004. Neuron 43, 321.

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