

# Accepted Manuscript

A phenotypic approach to the discovery of compounds that promote non-amyloidogenic processing of the amyloid precursor protein: Toward a new profile of indirect  $\beta$ -secretase inhibitors

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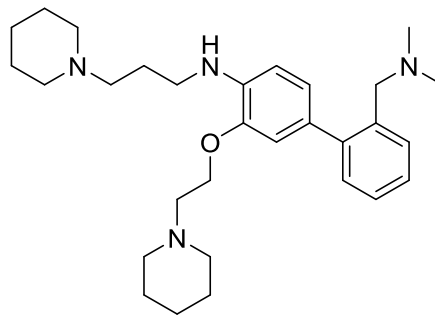
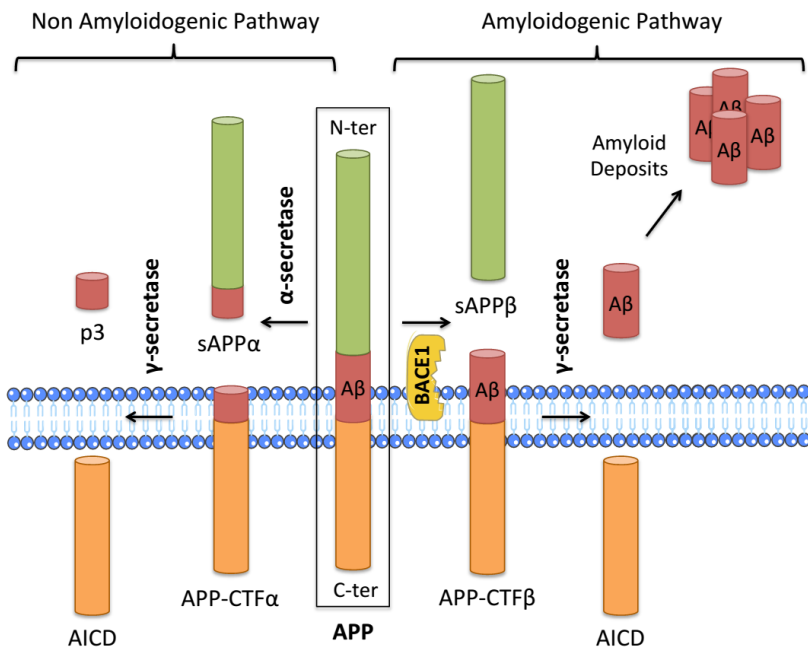
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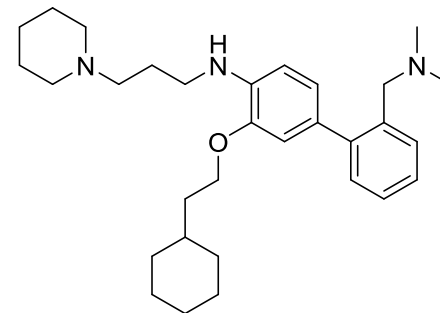
**30**

A $\beta$ <sub>1-40</sub>: IC<sub>50</sub> = 2.8  $\mu$ M

A $\beta$ <sub>1-42</sub>: IC<sub>50</sub> = 3.4  $\mu$ M

AICD: 36-fold  $\uparrow$  @ 3 $\mu$ M

$\alpha$ CTF: 33-fold  $\uparrow$  @ 3 $\mu$ M



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A $\beta$ <sub>1-40</sub>: IC<sub>50</sub> = 2.1  $\mu$ M

A $\beta$ <sub>1-42</sub>: IC<sub>50</sub> = 2.8  $\mu$ M

AICD: no effect @ 3 $\mu$ M

$\alpha$ CTF: no effect @ 3 $\mu$ M

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