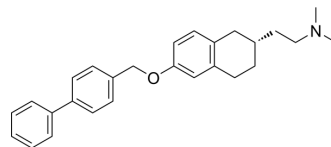


## TAK-070 Free base

<b>Cat. No.:</b>	HY-114234A
<b>CAS No.:</b>	212571-56-7
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>31</sub> NO
<b>Molecular Weight:</b>	385.54
<b>Target:</b>	Beta-secretase
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	TAK-070 Free base is a noncompetitive and orally active BACE1 inhibitor (IC <sub>50</sub> : 3.15 μM). TAK-070 Free base can be used for research of Alzheimer's disease (AD). TAK-070 Free base inhibits brain levels of soluble Aβ, and improves cognitive impairments in AD model <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	3.15 μM (BACE1) <sup>[1]</sup> .

### REFERENCES

[1]. Fukumoto H, et al. A noncompetitive BACE1 inhibitor TAK-070 ameliorates Abeta pathology and behavioral deficits in a mouse model of Alzheimer's disease. J Neurosci. 2010 Aug 18;30(33):11157-66.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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