

AChE-IN-51

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>21</sub>O<sub>P</sub>

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	AChE-IN-51 (compound 8C) is an orally active, non-competitive inhibitor of AChE and BChE, with IC <sub>50</sub> values of 84 nM and 97 nM, respectively. It also inhibits MMP-2 and amyloid $\beta$ A $\beta$ 1-42 aggregation, with IC <sub>50</sub> values of 724 nM and 302 nM. Exhibiting low cytotoxicity, AChE-IN-51 is predicted by computational models to penetrate the blood-brain barrier, making it a useful compound for research into diseases such as Alzheimer's disease (AD).
Targets(IC <sub>50</sub> )	MMP, Beta Amyloid, Cholinesterase (ChE)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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