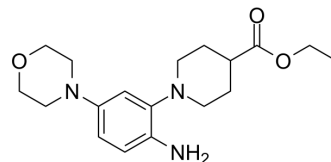


## AEP-IN-1

Cat. No.:	HY-146068
CAS No.:	3032742-75-6
Molecular Formula:	C <sub>18</sub> H <sub>27</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	333.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	AEP-IN-1 (Compound 13e) is a CNS agent-like non-covalent inhibitor of asparagine endopeptidase (AEP), with the IC <sub>50</sub> of 89 nM. AEP-IN-1 can be used for the research of numerous neurological diseases such as Alzheimer's disease (AD) <sup>[1]</sup> .	
<b>In Vitro</b>	AEP-IN-1 (5-500 nM; 24 hours) does not change cell viability in L929 normal fibroblasts at different concentrations <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Viability Assay	
	Cell Line:	L929 cells
	Concentration:	5, 10, 50, 100 and 500 nM
	Incubation Time:	24 hours
	Result:	Does not affected L929 cell viability, even at the higher doses.

## REFERENCES

[1]. Lorenzo Calugi, et al. Modular synthesis of 2,4-diaminoanilines as CNS drug-like non-covalent inhibitors of asparagine endopeptidase. *Bioorg Med Chem*. 2022 Jun 1;63:116746.

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

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