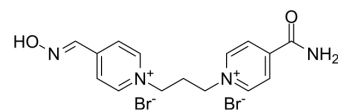


## K027

<b>Cat. No.:</b>	HY-144762
<b>CAS No.:</b>	6586-37-4
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>18</sub> Br <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	446.14
<b>Target:</b>	Cholinesterase (ChE)
<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>	K027 is a potent reactivator of Organophosphates (OP)-inhibited acetylcholinesterase (AChE). K027 can be used for the research of Alzheimer's disease <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	AChE	BChE

### REFERENCES

[1]. Zuzana Kohoutova, et al. Charged pyridinium oximes with thiocarboxamide moiety are equally or less effective reactivators of organophosphate-inhibited cholinesterases compared to analogous carboxamides. *J Enzyme Inhib Med Chem.* 2022 Dec;37(1):760-767.

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

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