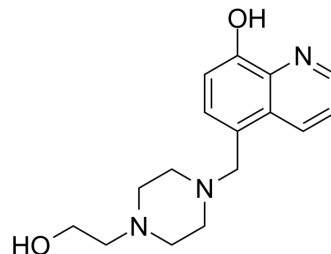


## VK-28

Cat. No.:	HY-W686216
CAS No.:	312611-92-0
Molecular Formula:	C <sub>16</sub> H <sub>21</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	287.36
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

VK-28, a brain-permeable iron chelator, inhibits both basal and Fe/ascorbate-induced mitochondrial membrane lipid peroxidation, with an IC<sub>50</sub> of 12.7 μM. VK-28 exhibits significant neuroprotective effects on ICV-6-OHDA. VK-28 can be used for the research of Parkinson's disease and other neurodegenerative diseases<sup>[1]</sup>.

## REFERENCES

[1]. Shachar DB, et al. Neuroprotection by a novel brain permeable iron chelator, VK-28, against 6-hydroxydopamine lesion in rats. *Neuropharmacology*. 2004 Feb;46(2):254-63.

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

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