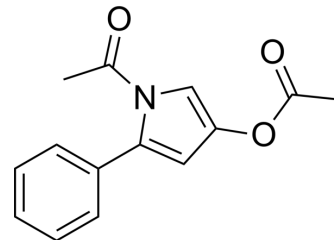


## APPA

Cat. No.:	HY-131542
CAS No.:	100750-39-8
Molecular Formula:	C <sub>14</sub> H <sub>13</sub> NO <sub>3</sub>
Molecular Weight:	243.26
Target:	Aldose Reductase; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

APPA is an aldose reductase inhibitor. APPA can effectively prevent apoptosis and the symptoms of Streptozotocin (HY-13753)-induced diabetes by inhibiting the polyol pathway in rats. APPA has the potential for diabetic nephropathy (DN) research<sup>[1]</sup>.

## REFERENCES

[1]. Zhi-Ming Xiu, et al. 1-Acetyl-5-phenyl-1H-pyrrol-3-ylacetate: An aldose reductase inhibitor for the treatment of diabetic nephropathy. *Bioorg Med Chem Lett*. 2017 Sep 15;27(18):4482-4487.

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

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