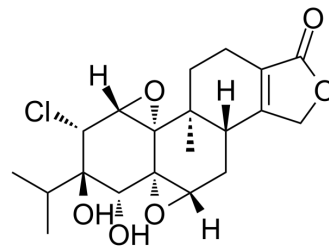


## Tripchlorolide

Cat. No.:	HY-N10408
CAS No.:	132368-08-2
Molecular Formula:	C <sub>20</sub> H <sub>25</sub> ClO <sub>6</sub>
Molecular Weight:	396.86
Target:	Apoptosis; Autophagy
Pathway:	Apoptosis; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tripchlorolide is a neuroprotective agent that can be found in *Tripterygium wilfordii*. Tripchlorolide prevents tumor growth by inducing apoptosis and autophagy. Tripchlorolide improves cognitive deficits in Alzheimer's disease<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Li FQ, et, al. Neurotrophic and neuroprotective effects of tripchlorolide, an extract of Chinese herb *Tripterygium wilfordii* Hook F, on dopaminergic neurons. *Exp Neurol.* 2003 Jan;179(1):28-37.
- [2]. Chen L, et, al. Tripchlorolide induces cell death in lung cancer cells by autophagy. *Int J Oncol.* 2012 Apr;40(4):1066-70.
- [3]. Zeng Y, et, al. Tripchlorolide improves cognitive deficits by reducing amyloid  $\beta$  and upregulating synapse-related proteins in a transgenic model of Alzheimer's Disease. *J Neurochem.* 2015 Apr;133(1):38-52.

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

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