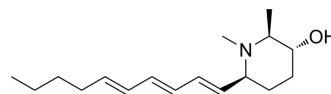


## Microgrewiapine A

Cat. No.:	HY-N10132
CAS No.:	1420777-30-5
Molecular Formula:	C <sub>17</sub> H <sub>29</sub> NO
Molecular Weight:	263.42
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Microgrewiapine A is an antagonist of nAChR. Microgrewiapine A inhibits  $\alpha 4\beta 2$  and  $\alpha 3\beta 4$  activity with 60% and 70% inhibition, respectively. Microgrewiapine A has selective cytotoxic against HT-29 human colon cancer cells with an  $IC_{50}$  of 6.8  $\mu M$ <sup>[1]</sup>.

### REFERENCES

[1]. Still PC, et al. Alkaloids from *Microcos paniculata* with cytotoxic and nicotinic receptor antagonistic activities. *J Nat Prod.* 2013 Feb 22;76(2):243-9.

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

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