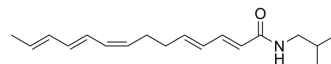


## γ-Sanshool

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-111880   |
| CAS No.:           | 78886-65-4  |
| Molecular Formula: | C <sub>18</sub> H <sub>27</sub> NO  |
| Molecular Weight:  | 273.41  |
| Target:            | Acyltransferase   |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |  |
|---------------------------|--|
| Description               | γ-Sanshool can be isolated from <i>Zanthoxylum piperitum</i> . γ-Sanshool inhibits human ACAT-1 and ACAT-2 activities with IC <sub>50</sub> s of 12.0 and 82.6 μM <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | 12.0 and 82.6 μM (human ACAT-1 and ACAT-2) <sup>[1]</sup>  |

### REFERENCES

[1]. Park YD, et al. Human acyl-CoA: cholesterol acyltransferase inhibitory activities of aliphatic acid amides from *Zanthoxylum piperitum* DC. *Biol Pharm Bull.* 2007 Jan;30(1):205-7.

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

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