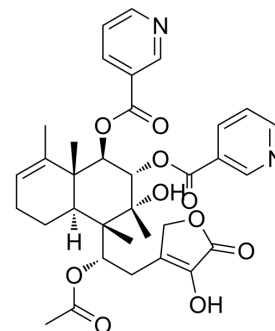


## Scutebarbatine X

Cat. No.:	HY-N1263
CAS No.:	1312716-26-9
Molecular Formula:	C <sub>34</sub> H <sub>38</sub> N <sub>2</sub> O <sub>10</sub>
Molecular Weight:	634.67
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Scutebarbatine X (Compound 2) is a neo-clerodane diterpenoids isolated from <i>Scutellaria barbatae</i> (Labiatae) and has anti-inflammatory properties <sup>[1]</sup> .
<b>In Vitro</b>	<p>Scutebarbatine X significantly reduces the production of NO by LPS-stimulated BV2 cells in a dose-dependent manner, with an IC<sub>50</sub> value of 27.4 μM<sup>[1]</sup>.</p> <p>Scutebarbatine X (15, 30 μM; 1 h) dose-dependently reduces the expression of iNOS in BV2 cells<sup>[1]</sup>.</p> <p>Scutebarbatine X (7.5, 15, 30 μM; 24 h) does not reduce the viability of BV2 cells<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Lee SR, et al. Constituents from *Scutellaria barbata* Inhibiting Nitric Oxide Production in LPS-Stimulated Microglial Cells. *Chem Biodivers*. 2017 Nov;14(11).

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

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