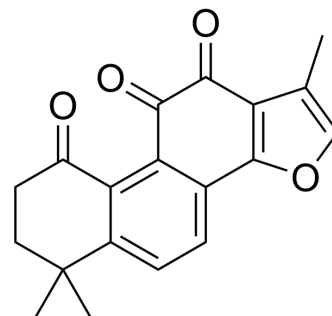


## 1-Oxotanshinone IIA

Cat. No.:	HY-N11696
CAS No.:	909705-66-4
Molecular Formula:	C <sub>19</sub> H <sub>16</sub> O <sub>4</sub>
Molecular Weight:	308.33
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	1-Oxotanshinone IIA (Compound 6) is extracted from <i>Perovskia artemisioides</i> and has significant anti-inflammatory activity [1].
<b>In Vitro</b>	1-Oxotanshinone IIA (50–12.5 μM; 1 h) inhibits the release of NO and ROS release and the formation of nitrotyrosine <sup>[1]</sup> . 1-Oxotanshinone IIA (50–12.5 μM; 1 h) significantly inhibits the formation of COX-2 and the expression of iNOS under inflammatory conditions <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sadeghi Z, et al. Anti-inflammatory Activity of Tanshinone-Related Diterpenes from *Perovskia artemisioides* Roots. *J Nat Prod.* 2023 Apr 28;86(4):812-821.

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

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