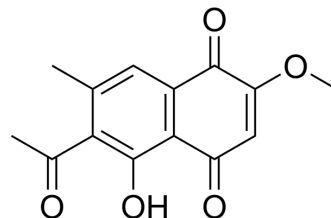


## 2-Methoxystyandrone

Cat. No.:	HY-N1738
CAS No.:	85122-21-0
Molecular Formula:	C <sub>14</sub> H <sub>12</sub> O <sub>5</sub>
Molecular Weight:	260.24
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	2-Methoxystyandrone is a naphthoquinone that can be found in <i>Polygonum cuspidatum</i> . 2-Methoxystyandrone shows antioxidant activities. 2-Methoxystyandrone improves developmental competence of bovine embryos <sup>[1]</sup> .
<b>In Vitro</b>	2-Methoxystyandrone (1 μM) increases the expression of BCL2 mRNA level and decreases the expression of BAX, CASP3, JAK2, NFKB1, IKKB, COX2, and NOS2 mRNA level in blastocysts <sup>[1]</sup> . 2-Methoxystyandrone (1 μM) decreases the expression of NFKB1 in cumulus oocyte complexes (COCs) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mesalam A, et al. 2-Methoxystyandrone improves in vitro-produced bovine embryo quality through inhibition of IKKB. *Theriogenology*. 2017 Sep 1;99:10-20.

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

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