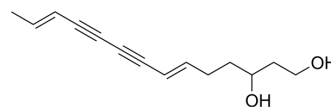


## (6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol

Cat. No.:	HY-N10834
CAS No.:	120166-71-4
Molecular Formula:	C <sub>14</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight:	218.29
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol is an antibacterial compound. (6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol can be isolated from the roots of *Atractylodes japonica*. (6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol has anti-methicillin-resistant *Staphylococcus aureus* (MRSA) activity with MIC values of 4-32 µg/mL. (6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol can be used for the research of bacterial infection<sup>[1]</sup>. (6E,12E)-Tetradecadiene-8,10-diyne-1,3-diol is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Seung-Il Jeong, et al. Antibacterial activity of phytochemicals isolated from *Atractylodes japonica* against methicillin-resistant *Staphylococcus aureus*. *Molecules*

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

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