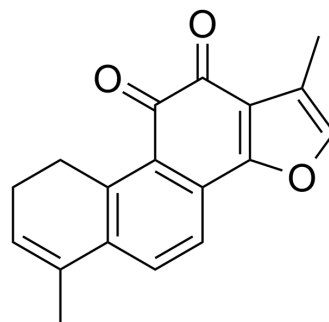


1,2-Dihydrotanshinone

Cat. No.:	HY-122970
CAS No.:	77769-21-2
Molecular Formula:	C ₁₈ H ₁₄ O ₃
Molecular Weight:	278.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	1,2-Dihydrotanshinone (1,2-Dihydrotanshinquinone) is an abietane diterpene. 1,2-Dihydrotanshinone inhibits the formation of the pathogenic complex formed between (CUG) _n -RNA and the splicing-factor muscleblind-like 1 (MBNL1). 1,2-Dihydrotanshinone can be used for the research of myotonic dystrophy type 1 ^{[1][2]} .
In Vitro	1,2-Dihydrotanshinone inhibits the formation of the pathogenic complex formed between (CUG) _n -RNA and the splicing-factor muscleblind-like 1 (MBNL1) (≥50% inhibition at 100 μg/mL) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Faleschini MT, et, al. Discovery of natural products potentially active against myotonic dystrophy type 1. *Planta Med* 2015; 81-YRW_03.
- [2]. Fronza M, et, al. In vitro cytotoxic activity of abietane diterpenes from *Peltodon longipes* as well as *Salvia miltiorrhiza* and *Salvia sahendica*. *Bioorg Med Chem*. 2011 Aug 15;19(16):4876-81.

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

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