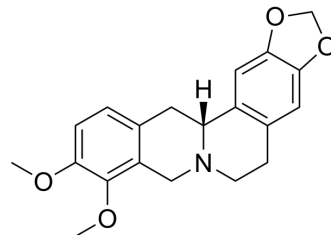


## (R)-(+)-Tetrahydroberberine

Cat. No.:	HY-N1418A
CAS No.:	2086-96-6
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	339.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(R)-(+)-Tetrahydroberberine is the isomer of (S)-(-)-Tetrahydroberberine (HY-N1418), and can be used as an experimental control. (S)-(-)-Tetrahydroberberine is an alkaloid and intermediate in the biosynthesis of berberine with insecticidal activity [1].

### REFERENCES

[1]. Galanie S, Smolke CD. Optimization of yeast-based production of medicinal protoberberine alkaloids. *Microb Cell Fact.* 2015 Sep 16;14:144.

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

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