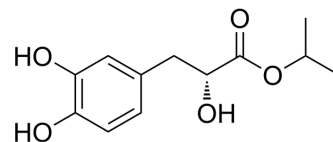


## (R)-IDHP

Cat. No.:	HY-142050
CAS No.:	950665-05-1
Molecular Formula:	C <sub>12</sub> H <sub>16</sub> O <sub>5</sub>
Molecular Weight:	240.25
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

(R)-IDHP is an isomer of IDHP, a salvia metabolite that exerts vasorelaxant effects by inhibiting Ca<sup>2+</sup> release and Ca<sup>2+</sup> inward flow in voltage-dependent and receptor-operated calcium channels in vascular smooth muscle cells. IDHP is used in studies of cardiovascular disease<sup>[1]</sup>.

## REFERENCES

[1]. MingChen, et al. Efficient and practical asymmetric synthesis of isopropyl (R)-3-(3',4'-dihydroxyphenyl)-2-hydroxypropanoate and its enantiomer. *Tetrahedron: Asymmetry*

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

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