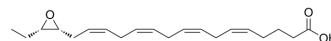


## (17R,18S)-Epoxyeicosatetraenoic acid

Cat. No.:	HY-113040A
CAS No.:	725246-18-4
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	318.45
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

(17R,18S)-Epoxyeicosatetraenoic acid (17(R),18(S)-EETeTr) is a cytochrome P450 epoxygenase metabolite of eicosapentaenoic acid (HY-B0660). (17R,18S)-Epoxyeicosatetraenoic acid shows exerts negative chronotropic effects and protects neonatal rat cardiomyocytes against Ca<sup>2+</sup> overload. (17R,18S)-Epoxyeicosatetraenoic acid has the potential for the research of antiarrhythmic agent<sup>[1][2]</sup>.

### REFERENCES

- [1]. alck JR, et al. 17(R),18(S)-epoxyeicosatetraenoic acid, a potent eicosapentaenoic acid (EPA) derived regulator of cardiomyocyte contraction: structure-activity relationships and stable analogues. *J Med Chem.* 2011 Jun 23;54(12):4109-18.
- [2]. Adebisin AM, et al. Development of Robust 17(R),18(S)-Epoxyeicosatetraenoic Acid (17,18-EEQ) Analogues as Potential Clinical Antiarrhythmic Agents. *J Med Chem.* 2019 Nov 27;62(22):10124-10143.

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

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