

## Product Data Sheet

Product Name: 5S(6R)-EET

Cat. No.: GC91696

### Chemical Properties

Cas. No. 98103-47-0

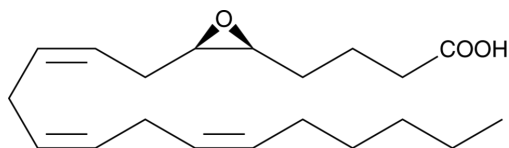
Formula  $C_{20}H_{32}O_3$  M.Wt 320.5

Solubility Acetonitrile: Sparingly Soluble: 1-10 mg/ml, Ethanol: Slightly Soluble: 0.1-1 mg/ml Storage  $-20^{\circ}\text{C}$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

5S(6R)-EET is an oxylipin. It depolarizes transepithelial voltage in isolated rabbit renal cortical collecting duct when applied to the luminal side at a concentration of  $1\text{ }\mu\text{M}$ .<sup>[1]</sup> In solution, 5(6)-EET degrades into 5,6-DiHET and 5(6)- $\delta$ -lactone, which can be converted to 5(6)-DiHET and quantified by GC-MS.<sup>[2]</sup>

### References:

- [1]. Sakairi, Y., Jacobson, H.R., Noland, T.D., et al. 5,6-EET inhibits ion transport in collecting duct by stimulating endogenous prostaglandin synthesis. *Am. J. Physiol.* 268(5 Pt 2):F931-F939 (1995).
- [2]. Rashid, M., Manivet, P., Nishio, H., et al. Identification of the binding sites and selectivity of sarpogrelate, a novel 5-HT<sub>2</sub> antagonist, to human 5-HT<sub>2A</sub>, 5-HT<sub>2B</sub> and 5-HT<sub>2C</sub> receptor subtypes by molecular modeling. *Life Sci.* 73(2):193-207 (2003).

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

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