

---

**Product Data Sheet**

---

Product Name: all-trans-5,6-epoxy Retinoic Acid

Cat. No.: GC18482

**Chemical Properties**

Cas. No. 13100-69-1

Chemical Name 5,6-epoxy-5,6-dihydro-retinoic acid

SMILES CC1(O2)C2(/C=C/C(C)=C/C=C/C(C)=C/C(O)=O)C(C)(C)CCC1Formula C<sub>20</sub>H<sub>28</sub>O<sub>3</sub> M.Wt 316.4

Solubility Chloroform: Soluble, Methanol: Soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

all-trans-5,6-epoxy Retinoic acid (5,6-epoxy RA) is an agonist of all isoforms of the retinoic acid receptor (RAR; EC<sub>50</sub>s = 77, 35, and 4 nM for RAR $\alpha$ , RAR $\beta$ , and RAR $\gamma$ , respectively). 5,6-epoxy RA (1  $\mu$ M) also induces growth arrest of MCF-7 and NB4 cells in vitro. It is a natural metabolite of all-trans retinoic acid, which is a metabolite of vitamin A.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA