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**Product Data Sheet**

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Product Name: Eleutherol  
Cat. No.: GC60802

**Chemical Properties**

Cas. No. 480-00-2

SMILES O=C1O[C@H](C)C2=C(O)C3=C(OC)C=CC=C3C=C12

Formula  $C_{14}H_{12}O_4$  M.Wt 244.24

Solubility 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**

Eleutherol is a naphthalene isolated from *E. americana* with antifungal activities[1]. Eleutherol is against yeasts *Candida albicans*, *C. tropicalis*, *Saccharomyces cerevisiae* and *Cryptococcus neoformans* with MIC values between 7.8 µg/mL and 250 µg/mL[1]. Eleutherol inhibits α-glucosidase function with an  $IC_{50} > 1.00$  mM[2].

[1]. Adriana Campos, et al. Antifungal Activity of Pyranonaphthoquinones Obtained from *Cipura paludosa* Bulbs. *Nat Prod Commun.* 2015 Sep;10(9):1589-92. [2]. Tomohiro Ieyama, et al. α-Glucosidase inhibitors from the bulb of *Eleutherine americana*. *Food Chem.* 2011 Sep 15;128(2):308-11.

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

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