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**Product Data Sheet**


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Product Name: Reveromycin C

Cat. No.: GC18955

**Chemical Properties**

Cas. No. 144860-69-5

Chemical Name butanedioic acid, 1-[(2S,3R,6S,8R,9S)-8-[(2E,4E,6S,7S,8E)-9-carboxy-6-hydroxy-3,7-dimethyl-2,4,8-nonatrien-1-yl]-2-[(1E,3E)-4-carboxy-3-methyl-1,3-butadien-1-yl]-9-methyl-3-(3-methylbutyl)-1,7-dioxaspiro[5.5]undec-3-yl] ester

SMILES CC(/C=C/[C@@H]1O[C@@](CC[C@@H]2C)(CC[C@]1(OC(CCC(O)=O)=O)CCC(C)C)O[C@@H]2C/C=C(/C=C/[C@@H]([C@H]/C=C/C(O)=O)C)O)C)=C\C(O)=O

|         |   |      |       |
|---------|---|------|-------|
| Formula | C <sub>37</sub> H <sub>54</sub> O <sub>11</sub> | M.Wt | 674.8 |
|---------|---|------|-------|

|            |                 |         |                |
|------------|-----------------|---------|----------------|
| Solubility | Soluble in DMSO | 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**

Reveromycin C is a polyketide originally isolated from *Streptomyces* that has antifungal activity against *C. albicans* (MICs = 2.0 and >500 ug/ml at pH 3 and 7.4, respectively). Reveromycin C inhibits EGF-induced mitogenic activity in the Balb/MK mouse epidermal cell line. It also reverses the morphology of sarcoma-virus-transformed NRK rat kidney cells (EC<sub>50</sub> = 1.58 ug/ml) and inhibits proliferation of KB cells and K562 human chronic myelogenous leukemia cells (IC<sub>50</sub> = 2.0 ug/ml for both).

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

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