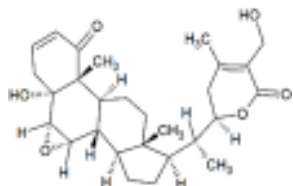


# 12-Deoxywithastramonolide

**ALTERNATE NAME:** 27-Hydroxywithanolide B  
6 $\alpha$ ,7 $\alpha$ -epoxy-5 $\alpha$ ,22R,27-trihydroxy-1-oxo-ergosta-2,24-dien-26-oic acid  $\delta$ -lactone

**CATALOG #:** B2768-1 1 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>28</sub>H<sub>38</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 470.6

**CAS NUMBER:** 60124-17-6

**APPEARANCE:** Crystalline solid

**PURITY:**  $\geq$ 98%

**SOLUBILITY:** ~15 mg/ml Ethanol

**DESCRIPTION:** 12-Deoxywithastramonolide is a withanolide found in *W. somnifera* roots that displays anti-inflammatory activity, reducing TNF- $\alpha$  and increasing IL-10 production in mice. 12-Deoxywithastramonolide also reduces the growth of A549 lung and HT-29 colorectal cancer cells (IC<sub>50</sub>s = 47.1 and 29.8  $\mu$ M, respectively).

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Butyrolactone 3 (B2817)  
( $\pm$ )-Thalidomide (2020)  
R-7050 (B3063)  
C87 (B3062)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*