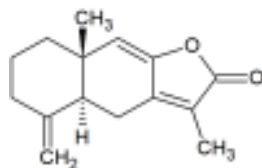


# Atractylenolide I

**ALTERNATE NAME:** 4aS,5,6,7,8,8aS-hexahydro-3,8a-dimethyl-5-methylene-naphtho[2,3-b]furan-2(4H)-one  
AO-I  
ATL-1

**CATALOG #:** B2568-5 5 mg  
B2568-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>18</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 230.30

**CAS NUMBER:** 73069-13-3

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** ~2 mg/ml DMSO

**DESCRIPTION:** Atractylenolide I is a sesquiterpene that displays diverse biological activities, including anti-inflammatory, anti-angiogenic, anti-tumor, and antidepressant properties. It inhibits LPS-induced increases in TNF- $\alpha$  and nitric oxide (NO) production, as well as inducible nitric oxide synthase (iNOS) activity, in murine peritoneal macrophages (IC<sub>50</sub>s = 23.1, 41, and 67.3  $\mu$ 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:**

Artemisinin (2519)  
Heptelidic Acid (2215)

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