

Catalog No. 11216-039 1 mg

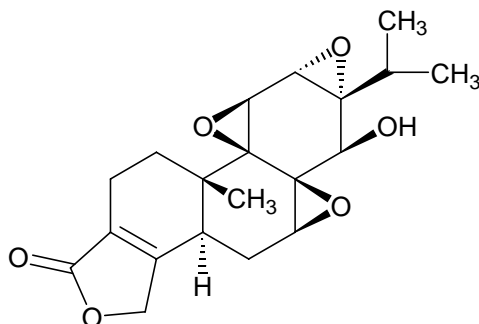
PRODUCT: Triptolide

CAS NO. 38748-32-2

CATALOG NO.: 11216-039

SIZE: 1 mg

-STRUCTURE:



PHYSICAL APPEARANCE: White solid(m.p. 230-232°C dec)

MOLECULAR FORMULA: C₂₀H₂₄O₆ MOLECULAR WEIGHT: 360.4

PURITY: 98%(TLC: 2% MeOH/methylene chloride; R_f = 0.17)

SOLUBILITY: Soluble in DMSO(25 mg/ml) and ethanol(1 mg/ml 1 hr @ 37°C)

STORAGE: Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: Induces apoptotic death in T lymphocytes¹ and various solid tumor lines (20 ng/ml)³. Immunosuppressant. Inhibits T-cell IL-2 expression at the level of NF-κB transcriptional activation (IC₅₀'s 10-40 ng/ml)². Inhibits induction of MMP-3, MMP-13, and ADAMTS-4 in cell culture⁴. The product is not sterile.

- REFERENCES:
1. Y.Yang *et al. Immunopharmacology* 1998 **40** 139
 2. D.Qiu *et al. J.Biol.Chem.* 1999 **274** 13443
 3. K.Y. Lee *et al. J. Biol. Chem.* 1999 **274** 13451
 4. A. Liacini *et al. Biochem. Biophys. Res. Commun.* 2005 **327** 320

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.