

Catalog No. 11216-038 50 mg

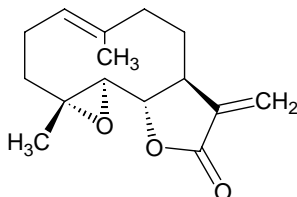
PRODUCT: Parthenolide

CAS NO: 20554-84-1

CATALOG NO.: 11216-038

SIZE: 50 mg

STRUCTURE:



PHYSICAL APPEARANCE: White solid

MOLECULAR FORMULA: C₁₅H₂₀O₃

MOLECULAR WEIGHT: 248.3

PURITY: 97%(TLC: 70% ether/hexanes; R_f = 0.26)

SOLUBILITY: Soluble in DMSO (100 mg/ml) and ethanol (20 mg/ml)

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

APPLICATION NOTES: Has anti-inflammatory, antisecretory and spasmolytic activity. Inhibits the release of various mediators¹⁻³ and inhibits activation of MAP kinase⁴. Recent findings indicated that parthenolide binds to and directly inhibits IκB kinase⁵. The product is not sterile.

REFERENCES:

1. W.A.Groenewegen *et al. J.Pharm.Pharmacol.* 1990 **42** 553
2. H.Sumner *et al. Biochem.Pharmacol.* 1992 **43** 3213
3. R.W.Barsby *et al. J.Pharm.Pharmacol.* 1992 **44** 737
4. D.Hwang *et al. Biochem.Biophys.Res.Commun.* 1996 **226** 810
5. B.H.B. Kwok *et al. Chem. Biol.* 2001 **8** 759

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.