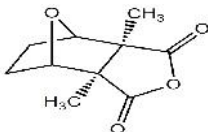


Product: Cantharidin**ALTERNATE NAME:** (3aR,4S,7R,7aS)-rel-hexahydro-3a,7a-dimethyl-4,7-epoxyisobenzofuran-1,3-dione; NSC 61805**CATALOG #:** 2510-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₁₂O₄**MOLECULAR WEIGHT:** 196.20**CAS No.** 56-25-7**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~10 mg/ml) or EtOH (~ 8 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** Cantharidin is a natural toxin produced by blister beetles that moderately inhibits protein phosphatases 1 (PP1) (IC₅₀ = 1.7 μM) and PP2A (IC₅₀ = 0.2 μM) and only weakly inhibits the activity of PP2B (IC₅₀ = 1 mM).**REFERENCES:** Honkanen, R.E., *et al.* (1993). *FEBS Lett.* **330**, 283-286.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Bakuchiol (**Cat. No. 2494-1, 5**)bpV(phen) (**Cat. No. 1793-5**)bpV(pic) (**Cat. No. 1794-5**)Calyculin A (**Cat. No. 1562-025**)EZBlock™ Phosphatase Inhibitor Cocktail I (**Cat. No. K273-1ML, 1EA**)EZBlock™ Phosphatase Inhibitor Cocktail II (**Cat. No. K275-1ML, 1EA**)EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1ML, 1EA**)Microcystin-LR (**Cat. No. 1840-100, 500**)Okadaic Acid (**Cat. No. 1543-025**)Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)VO-OHpic (**Cat. No. 1801-5, 25**)**FOR RESEARCH USE ONLY! Not to be used in humans.**