**PRODUCT:** (±)-Blebbistatin

**ALTERNATE NAME:** (±)-1,2,3,3a-tetrahydro-3a-hydroxy-6-methyl-1-phenyl-4H-pyrrolo[2,3-b]quinolin-4-one

**CATALOG #:** 2405-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

![Structure](image)

**MOLECULAR FORMULA:** C_{18}H_{16}N_{2}O_{2}

**MOLECULAR WEIGHT:** 292.34

**CAS NUMBER:** 674289-55-5

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (~25 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** At -20 °C. Protect from light and air

**DESCRIPTION:** Cell-permeable. A selective inhibitor of non-muscle myosin II ATPases. It rapidly and reversibly inhibits Mg-ATPase activity and in vitro motility of non-muscle myosin IIA and IIB for several species (IC_{50} = 0.5-5.0 µM), while weakly inhibiting smooth muscle myosin (IC_{50} = 80 µM). Through these effects, blebbistatin reversibly blocks apoptosis-related bleb formation, directed cell migration and cytokinesis in vertebrate cells.


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

**RELATED PRODUCTS:**
- (-)-Blebbistatin (Cat. No. 2406-1, 5)
- (+)-Blebbistatin (Cat. No. 2407-1, 5)

**USAGE:** FOR RESEARCH CH USE ONLY! Not to be used in humans