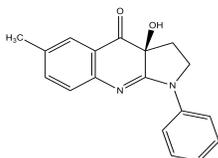


**RELATED PRODUCTS:**

(±)-Blebbistatin (Cat. No. 2405-5, 25)

(+) -Blebbistatin (Cat. No. 2407-1, 5)

**PRODUCT: (-)-Blebbistatin****ALTERNATE NAME:** 1,2,3,3a-tetrahydro-3aS-hydroxy-6-methyl-1-phenyl-4H-Pyrrolo[2,3-b]quinolin-4-one; (S)-Blebbistatin**CATALOG #:** 2406-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 292.34**CAS NUMBER:** 856925-71-8**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20° C. Protect from light and air**DESCRIPTION:** Cell-permeable. The active enantiomer of (±)-Blebbistatin (Cat. No. 2405). 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<sub>50</sub> = 0.5-5.0 μM), while weakly inhibiting smooth muscle myosin (IC<sub>50</sub> = 80 μM). Through these effects, (-)-blebbistatin reversibly blocks apoptosis-related bleb formation, directed cell migration and cytokinesis in vertebrate cells.**REFERENCE:** Limouze, J., *et al.* (2004). *J. Muscle Res. Cell Motil.* **25**, 337-341; Straight, A.F., *et al.* (2003). *Science* **299**, 1743-1747.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**