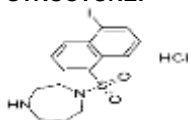


**PRODUCT: ML-7 hydrochloride****ALTERNATE NAMES:** Hexahydro-1-[(5-iodo-1-naphthalenyl)sulfonyl]-1H-1,4-diazepine hydrochloride**CATALOG NUMBER:** B2000-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>15</sub>H<sub>17</sub>IN<sub>2</sub>O<sub>2</sub>S.HCl**MOLECULAR WEIGHT:** 452.74**CAS NUMBER:** 110448-33-4**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and moisture**DESCRIPTION:** ML-7 hydrochloride is a selective MLCK (myosin light chain kinase) inhibitor (K<sub>i</sub> = 0.3 μM). Displays reversible, ATP-competitive inhibition of Ca<sup>2+</sup>-calmodulin-dependent and -independent smooth muscle MLCKs.**REFERENCES:** Meinders, M., *et al.* (2015). *Blood* **125**, 1957-1967.**RELATED PRODUCTS:**

Bisindolylmaleimide I (Cat. No. 1945-1, 5)

Bisindolylmaleimide I hydrochloride (Cat. No. 1947-1, 5)

Calphostin C (Cat. No. 2611-50, 100)

Chelerythrine chloride (Cat. No. 2064-5)

Enzastaurin (Cat. No. 1619-1, 5)

Fasudil Mono HCl (Cat. No. 1787-10, 50)

Go6976 (Cat. No. 1711-500)

Gö 6983 (Cat. No. 9539-1,5)

EZSolution™ Go6976 (Cat. No. 1785-500)

H-7 hydrochloride (Cat. No.9543-5,25)

H-89 DiHCl (Cat. No. 1768-1, 5)

K252a (Cat. No. 2013-500, 1000)

KN-93, Water-Soluble (Cat. No. 1909-1, 5)

ML-7 hydrochloride (Cat. No. B2000-10, 50)

PKC412 (Cat. No. 2052-1,5)

Ro 31-8220 methanesulfonate (Cat. No. 1946-1, 5)

Staurosporine (Cat. No. 1048-01, 1)

EZSolution™ Staurosporine (Cat. No. 1745-01)

Stauprimide (Cat. No. 1743-500)

Tamoxifen citrate (Cat. No. 1551-1000)

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**