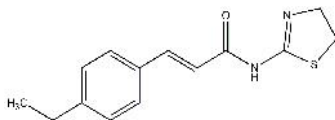


Product: ML243**ALTERNATE NAME:** (2E)-N-(4,5-dihydro-2-thiazolyl)-3-(4-ethylphenyl)-2-propenamide; CID-50910523**CATALOG #:** 2515-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₄H₁₆N₂OS**MOLECULAR WEIGHT:** 260.35**CAS No.** 1426576-80-8**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~5 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** ML-243 is a selective inhibitor of cancer stem cells. Displays 32-fold selective inhibition of a breast cancer stem cell-like cell line (EC₅₀ = 2.0 μM) over a control (mammary epithelial) cell line (EC₅₀ = 64 μM). It weakly antagonizes the adenosine A_{2A} receptor (IC₅₀ = 10 μM) and has no effect on 68 other targets commonly used in drug discovery for lead profiling.**REFERENCES:** Carmody, L., *et al.* (2011). *Probe* 33, 1-13.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

EZSolution™ A 83-01, Sterile-Filtered (Cat. No. 1989-1)
EZSolution™ CHIR99021, Sterile-Filtered (Cat. No. 1991-1)
DiscoveryPak™ Stem Cell Fate Regulator Set I (Cat. No. K852-3)
DiscoveryPak™ Stem Cell Fate Regulator Set II (Cat. No. K853-8)
DiscoveryPak™ Stem Cell Fate Regulator Set III (Cat. No. K854-3)
DiscoveryPak™ Stem Cell Fate Regulator Set IV (Cat. No. K855-3)
DiscoveryPak™ Stem Cell Fate Regulator Set V (Cat. No. K865-5)
DiscoveryPak™ Stem Cell Fate Regulator Set VI (Cat. No. K866-5)
DiscoveryPak™ Stem Cell Fate Regulator Set VII (Cat. No. K866-10)
(±) -Bay K 8644 (Cat. No. 1682-5)
BIX01294 (Cat. No. 1678-5, 25)
CHIR99021 (Cat. No. 1677-5, 25)
EZSolution™ CHIR99021 (Cat. No. 1748-5)
Pluripotin (Cat. No. 2165-1, 5)
PD0325901 (Cat. No. 1643-2)
EZSolution™ PD-0325901, Sterile-Filtered (Cat. No. 1990-1)
PS-48 (Cat. No. 1869-5)
Pyrintegrin (Cat. No. 1729-1,5)
EZSolution™ Pyrintegrin (Cat. No. 1737-1)
RepSox (Cat. No. 1894-5, 25)
Reversine (Cat. No. 1851-1, 5)
RG 108 (Cat. No. 1679-10,30)
SB-431542 (Cat. No. 1674-1)
EZSolution™ SB-431542 (Cat. No. 1872-1)
EZ EZSolution™ SB-431542, Sterile-Filtered (Cat. No. 1992-1)
Sodium Butyrate (Cat. No. 1609-100, 1000)
StemBoost™ Reprogramming Cocktail Set I (Cat. No. K869-1ML, 5ML, 1set)
StemBoost™ Reprogramming Cocktail Set II (Cat. No. K870-1ML, 5ML, 1set)
StemBoost™ YPAC Cocktail Set (Cat. No. K871-1ML, 5ML, 1set)
Thiazovivin (Cat. No. 1681-1,5)
EZSolution™ Thiazovivin (Cat. No. 1736-1)
EZSolution™ Thiazovivin, Sterile-Filtered (Cat. No. 1993-1)
Tranylcypromine Hemisulfate (Parnate) (Cat. No. 1816-25,100)
Valproic Acid, Sodium Salt (Cat. No. 1647-200)
Y-27632,2 HCl (Cat. No. 1596-1, 5, 50)
EZSolution™ Y-27632, HCl (Cat. No. 1784-5)
EZSolution™ Y-27632, HCl, Sterile-Filtered (Cat. No. 1994-1)

FOR RESEARCH USE ONLY! Not to be used in humans.