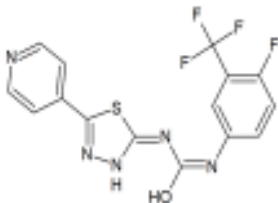


# ML-216

**ALTERNATE NAME:** N-[4-fluoro-3-(trifluoromethyl)phenyl]-N'-[5-(4-pyridinyl)-1,3,4-thiadiazol-2-yl]-urea  
CID-49852229

**CATALOG #:** B2666-5 5 mg  
B2666-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>15</sub>H<sub>9</sub>F<sub>4</sub>N<sub>5</sub>OS

**MOLECULAR WEIGHT:** 383.3

**CAS NUMBER:** 1430213-30-1

**APPEARANCE:** Light orange to dark orange solid

**PURITY:** ≥98%

**SOLUBILITY:** >20 mg/ml DMSO

**DESCRIPTION:** ML-216 is a potent and selective inhibitor of BLM (Bloom) helicase (IC<sub>50</sub> = 1.8 μM); it displays 28-fold selectivity against the related helicases RECQ1, RECQ5, and E. coli UvrD (IC<sub>50</sub>s ≥ 50 μM). At 25-50 μM, ML-216 has been shown to dose-dependently inhibit the proliferation of BLM-expressing PSNF5 fibroblast cells but not BLM-deficient PSNG13 fibroblast cells.

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

Pritelivir mesylate (B2154)  
BAY 57-1293 (2556)  
YK-4-279 (2846)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*