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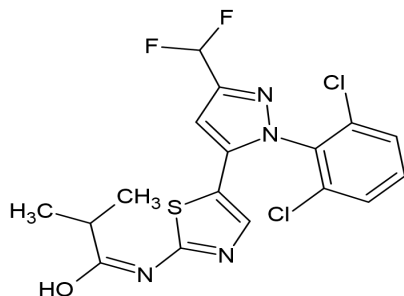
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## LIM Kinase Inhibitor I, LIMKi 3

**ALTERNATE NAME:** N-[5-[2-(2,6-dichlorophenyl)-5-(difluoromethyl)pyrazol-3-yl]-1,3-thiazol-2-yl]-2-methylpropanamide; BMS-5

**CATALOG #:** AUR10542

### STRUCTURE:



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>14</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>4</sub>OS

**MOLECULAR WEIGHT:** 431.29

**CAS#:** 1338247-35-0

**APPEARANCE:** Beige solid

**SOLUBILITY:** DMSO (100 mg/ml)

**PURITY:** ≥95% by HPLC

**STORAGE:** Store at 2-8°C. Protect from air and light

**DESCRIPTION:** LIMKi 3 is a cell-permeable compound that acts as a potent LIM kinase inhibitor (IC<sub>50</sub> = 7 and 8 nM against LIMK1 and LIMK2, respectively) and effectively suppresses cellular cofilin phosphorylation (IC<sub>50</sub> ~ 1 μM in A549 and MDA-MB-231 cultures) without affecting tubulin polymerization or inducing cytotoxicity (EC<sub>50</sub> >10 μM in A549 proliferation and colony formation assays).

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