

# LCL161

Cat. # 7171-5, F7171-25

**Also Known as:** N-[(1S)-1-cyclohexyl-2-[(2S)-2-[4-(4-fluorobenzoyl)-2-thiazolyl]-1-pyrrolidinyl]-2-oxoethyl]-2-(methylamino)-(2S)-propanamide

**Formula:** C<sub>26</sub>H<sub>33</sub>FN<sub>4</sub>O<sub>3</sub>S

**MW:** 500.63 Da

**CAS No.:** CAS# 1005342-46-0

**Source:** Synthetic

**Form:** Lyophilized powder

**Solubility:** Soluble in DMSO (~50 mg/mL) or EtOH ~10 mg/mL

**Concentration:** N/A

**Quality Assurance:** >98% by HPLC and NMR

**Description:** LCL161 is a potent Smac mimetic that inhibits the inhibitor of apoptosis proteins XIAP, cIAP-1 and c-IAP2. LCL161 induces caspase-dependent apoptosis in various cancer cell lines.

**Storage:** Eligible for room temperature shipping. Store at -20°C or -80°C upon receiving; protect from air and light.

**How to use** LCL161 is used at ~1-10 uM in various cell-based assays.

**Literature:**

1. Chen K F., et al. (2012) Biochemical Pharmacology. 84, 268.
2. Houghton P J., et al. (2012) Pediatric Blood & Cancer., 58, 636.

