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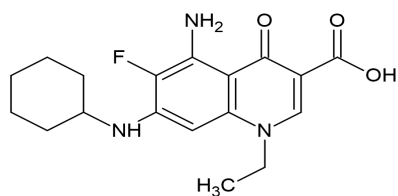
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## AS-1842856

**ALTERNATE NAME:** 5-amino-7-(cyclohexylamino)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid; FOXO1 Inhibitor

**CATALOG #:** AUR10392

### STRUCTURE:



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 347.4

**CAS#:** 836620-48-5

**APPEARANCE:** Off-white to yellow solid

**SOLUBILITY:** DMSO (~5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** AS 1842856 is a potent and selective Foxo1 inhibitor (IC<sub>50</sub> values are 33 nM at Foxo1 and >1 μM at Foxo3a and Foxo4); decreases Foxo-mediated promoter activity by 70%, 20% and 3% at Foxo1, Foxo4 and Foxo3, respectively. Regulates gluconeogenesis both *in vitro* and *in vivo*. Attenuates fasting plasma glucose level in diabetic db/db mice. Also suppresses autophagy, adipocyte differentiation and soluble guanylyl cyclase expression.

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