

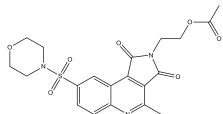
## Product: Ivachtin

**ALTERNATE NAME:** 2-(4-methyl-8-morpholin-4-ylsulfonyl-1,3-dioxopyrrolo[3,4-c]quinolin-2-yl)ethyl acetate

**CATALOG #:** 2788-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>21</sub>N<sub>3</sub>O<sub>7</sub>S

**MOLECULAR WEIGHT:** 447.46

**CAS NUMBER:** 745046-84-8

**APPEARANCE:** Tan solid

**SOLUBILITY:** DMSO (>4 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Ivachtin is a potent, reversible and non-competitive inhibitor of caspase-3 (IC<sub>50</sub> = 23 nM) that displays 10-100 fold selectivity over other caspases. Exhibits antiapoptotic activity in human Jurkat T cells treated with staurosporine; exhibits a higher level of protection than Z-VAD-FMK (Cat. Nos. 1010 and 1140).

**REFERENCES:** Kravchenko, D.V., *et al.* (2005). *J. Med. Chem.* **48**, 3680-3683.

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

### RELATED PRODUCTS:

Apoptosis inhibitor (Cat. No. 2783-5, 25)

Q-VD-OPh (Cat. No. 1170-1, 5)

EZSolution™ Q-VD-OPh (Cat. No. 1173-1)

Q-VD-OPh, Negative Control (Cat. No. 1171-1, 5)

EZSolution™ Q-VD-OPh, Negative Control (Cat. No. 1174-1)

Z-VAD(OMe)-FMK (Cat. No. 1140-1,5)

Boc-D(OMe)-FMK (Cat. No. 1160-1, 5)

Q-DE(OMe)VD(OMe)-OPh (Cat. No. 1175-1,3,5)

Q-IE(OMe)TD(OMe)-OPh (Cat. No. 1176-1,3,5)