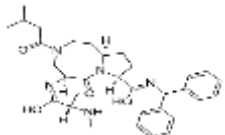


**PRODUCT: AT-406**

**ALTERNATE NAME:** (5S,8S,10aR)-N-benzhydryl-5-((S)-2-(methylamino)propanamido)-3-(3-methylbutanoyl)-6-oxodecahydropyrrolo[1,2-a][1,5]diazocine-8-carboxamide;SM-406

**CATALOG NUMBER:** B1829-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C<sub>32</sub>H<sub>43</sub>N<sub>5</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 561.73

**CAS NUMBER:** 1071992-99-8

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** AT-406 is a potent inhibitor of IAP (inhibitor of apoptosis protein) family of proteins with potential apoptotic inducing and antineoplastic activity. AT-406 selectively inhibits the biological activity of IAP proteins, including X chromosome-linked IAP (XIAP), the cellular IAPs 1 (c-IAP1) and 2 (c-IAP2) and melanoma inhibitor of apoptosis protein (ML-IAP).

**REFERENCES:** Cai, Q., *et al.* (2011). *J. Med. Chem.* **54**, 2714-2726.

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

**RELATED PRODUCTS:**

Actinomycin D (**Cat. No. 1036-50, 50MG, 5MG**)

Anisomycin (**Cat. No. 1549-10**)

BAM7 (**Cat. No. 2451-5, 25**)

Berberine chloride (**Cat.No. 1830-100, 500**)

Brefeldin A (**Cat. No. 1560-5, 50**)

Camptothecin (**Cat. No. 1039-1, 100, 50MG, 500MG**)

Carboplatin (**Cat. No. 1553-100**)

Colchicine (**Cat. No.1519-1000**)

Cycloheximide (**Cat. No. 1041-1, 1G**)

Cyclosporine A (**Cat. No. 1522-100**)

Daunorubicin HCl (**Cat. No. 1524-10, 50, 500**)

Dexamethasone (**Cat. No. 1042-1, 1G, 10G**)

Doxorubicin HCl (**Cat. No. 1527-5**)

Etoposide (**Cat. No. 1043-100, 25Mg, 250MG**)

LY573636 (**Cat. No. 2297-5, 25**)

Ready-to-Use Apoptosis Inducer Set (**Cat. No. K121-5**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**