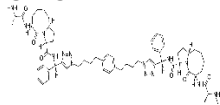


PRODUCT: SM-164

ALTERNATE NAME: (3S,3'S,6S,6'S,10aS,10a'S)-N,N'-((1S,1'S)-((1,4-phenylenebis(butane-4,1-diyl))bis(1H-1,2,3-triazole-1,4-diyl))bis(phenylmethylene))bis(6-((S)-2-(methylamino)propanamido)-5-oxodecahydropyrrolo[1,2-a]jzocine-3-carboxamide)

CATALOG #: B1816-250, 1000

AMOUNT: 250 µg, 1 mg

STRUCTURE:

MOLECULAR FORMULA: C₆₂H₈₄N₁₄O₆

MOLECULAR WEIGHT: 1121.42

CAS NUMBER: 957135-43-2

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: SM-164 is a potent cell-permeable and bivalent Smac mimetic which binds to a XIAP protein with a Ki value of 0.56 nM, and binds to cIAP-1 and cIAP-2 proteins with Ki values of 0.31 and 1.1 nM, respectively. It displays antitumor properties through inducing degradation of cellular inhibitor of apoptosis protein (cIAP)-1/2, antagonizing X-linked inhibitor of apoptosis protein (XIAP) and inducing TNFα-dependent apoptosis in tumor cells.

REFERENCES: Lu, J., *et al.* (2008). *Cancer Res.* **68**, 9384-9393.

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

RELATED PRODUCTS:

Birinapant (**2597**)

LCL161 (**B1601**)

Pterostilbene (**2073**)

Smac/DIABLO Antibody (**3298**)

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