

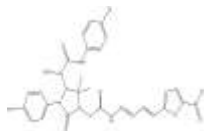
PRODUCT: Eeyarestatin I

ALTERNATE NAME: 3-(4-Chlorophenyl)-4-[[[(4-chlorophenyl)amino]carbonyl]hydroxyamino]-5,5-dimethyl-2-oxo-1-imidazolidineacetic acid 2-[3-(5-nitro-2-furanyl)-2-propen-1-ylidene]hydrazide

CATALOG #: 9602-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₂₅Cl₂N₇O₇

MOLECULAR WEIGHT: 630.44

CAS NUMBER: 412960-54-4

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Eeyarestatin I is an inhibitor of the ERAD (Endoplasmic-reticulum -associated protein degradation) pathway, blocking the degradation of misfolded proteins at a dose of 8 μM. It associates with the p97-associated deubiquitinating complex in cells, preventing deubiquitination of substrates by ataxin-3 (atx3). Also inhibits Sec61-mediated protein translocation at the ER. Displays cytotoxic activity preferentially against cancer cells; induces cell death via the pro-apoptotic protein NOXA.

REFERENCE: Wang, Q., *et al.* (2008). *J. Biol. Chem.* **283**, 7445-7454.

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

RELATED PRODUCTS:

USP7/USP47 Inhibitor, P 22077 (**Cat. No. 2301**)

DUB Inhibitor, NSC-632839 (**Cat. No. 2570**)

DUB Inhibitor, PR-619 (**Cat. No. 2302**)

USP-7 Antibody (**Cat. No. 3747**)

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