PYR-41

ALTERNATE NAME: 4-[4-[(5-Nitro-2-furanyl)methylene]-3,5-dioxo-1-pyrazolidinyl]benzoic acid ethyl ester

CATALOG #: 1925-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE: 

MOLECULAR FORMULA: C\(_{17}\)H\(_{13}\)N\(_3\)O\(_7\)

MOLECULAR WEIGHT: 371.30

CAS NUMBER: 418805-02-4

APPEARANCE: Brown solid

SOLUBILITY: DMSO (~25 mg/ml)

PURITY: ≥98% by TLC

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

DESCRIPTION: Cell-permeable. An irreversible ubiquitin-activating enzyme (E1) inhibitor (IC\(_{50}\) < 10 μM). Blocks ubiquitylation and prevents ubiquitin-mediated proteasomal degradation. Inhibits NF-κB activation, blocks degradation of p53, increases p21 levels and induces apoptosis in vitro. Also causes an increase in sumoylation of proteins.


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

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:
- Calpain Inhibitor I, ALLN (Cat. No. 1834-5, 25)
- Calpain Inhibitor II, ALLM (Cat. No. 1834-5, 25)
- Clasto-Lactacystin β-Lactone (Cat. No. 1719-100)
- E6AP Antibody (Cat. No. 3744-100)
- (-)-Epigallocatechin gallate (Cat. No. 1841-50)
- Isopepsidase T (short form), human recombinant (Cat. No. 4861-25)
- Isopepsidase T (long form), human recombinant (Cat. No. 4862-25)
- Lactacystin (Cat. No. 1709-200)
- MG-115 (Cat. No. 1831-1, 5)
- MG-132 (Cat. No. 1709-5, 25)
- PS-341 (Cat. No. 1846-1, 5)
- EZSolution™ MG-132 (Cat. No. 1791-5)
- NEDD8-AMC (Cat. No. 4843-25)
- Proteasome Substrate, Fluorogenic (Cat. No. 1832-1, 5)
- Suc-Leu-Leu-Val-Tyr-AMC (Cat. No. 1833-5)
- UbcH1, human recombinant (GST-tag) (Cat. No. 4846-100)
- UbcH2, human recombinant (His-tag) (Cat. No. 4848-100)
- UbcH3, human recombinant (His-tag) (Cat. No. 4849-100)
- UbcH5a, human recombinant (His-tag) (Cat. No. 4851-100)
- UbcH5b, human recombinant (His-tag) (Cat. No. 4852-100)
- UbcH5c, human recombinant (His-tag) (Cat. No. 4854-100)
- Ubiquitin Aldehyde (Cat. No. 4845-50)
- Ubiquitin, human recombinant (Cat. No. 4841-100,1000)
- Ubiquitin AMC (Cat. No. 4842-25)
- UCH-L1, human recombinant (GST-tag) (Cat. No. 4855-50)
- USP7 Antibody (Cat. No. 3737-100)
- USP-14 Inhibitor IU1 (Cat. No. 1845-5, 25)