

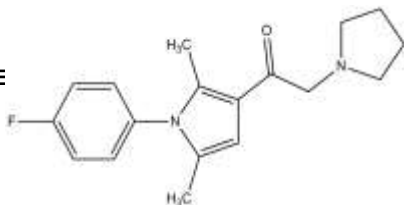
USP14 Inhibitor, IU1

ALTERNATE NAME: 1-[1-(4-fluorophenyl)-2,5-dimethyl-1H-pyrrol-3-yl]-2-(1-pyrrolidinyl)-ethanone

CATALOG #: 1845-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE



MOLECULAR FORMULA: C₁₈H₂₁FN₂O

MOLECULAR WEIGHT: 300.37

CAS NUMBER: 314245-33-5

APPEARANCE: White to off-white powder

SOLUBILITY: DMSO (~20 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A cell-permeable, reversible and selective inhibitor of the deubiquitinating activity of human USP14 (IC₅₀ = 4-5 μM). IU1 promotes cell survival during proteotoxic stress and selectively stimulates ubiquitin-dependent protein degradation *in vitro* at 34 μM.

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:

- Lactacystin (Cat. No. 1709-200)
- Clasto-Lactacystin β-Lactone (Cat. No. 1710-100)
- MG-115 (Cat. No. 1831-1,5)
- MG-132 (Cat. No. 1703-5)
- 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)
- Ubiquitin-AMC (Cat. No. 4842-25)