



Catalog # 10-1351

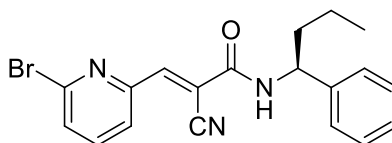
WP1130

CAS# 856243-80-6

(S,E)-3-(6-Bromopyridin-2-yl)-2-cyano-N-(1-phenylbutyl)acrylamide

Degrasyn

Lot # X104235



A novel DUB inhibitor directly inhibiting USP9x, USP5, USP14 and UCH37 inducing rapid accumulation of polyubiquitinated proteins¹. Blocks Jak2 signaling via Jak2 ubiquitination². Activates proteasomal-dependent degradation of c-Myc³. Induces the degradation of the oncogenic transcription factor ERG in prostate cancer cells⁴.

- 1) Kapuria *et al.* (2010), *Deubiquitinase inhibition by small-molecule WP1130 triggers aggresome formation and tumor cell apoptosis*; *Cancer Res.*, **70** 9265
- 2) Kapuria *et al.* (2011), *A novel small molecule deubiquitinase inhibitor blocks Jak2 signaling through Jak2 ubiquitination*; *Cell Signal.*, **23** 2076
- 3) Bartholomeusz *et al.* (2007), *Degrasyn activates proteasomal-dependent degradation of c-Myc.*; *Cancer Res*, **67** 3912
- 4) Wang *et al.* (2014), *Ablation of the oncogenic transcription factor ERG by deubiquitinase inhibition in prostate cancer*; *Proc. Natl. Acad. Sci. USA*, **111** 4251

PHYSICAL DATA

Molecular Weight:	384.28
Molecular Formula:	C ₁₉ H ₁₈ BrN ₃ O
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 45 mg/ml), Ethanol (up to 25 mg/ml)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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