



Catalog # 10-1340

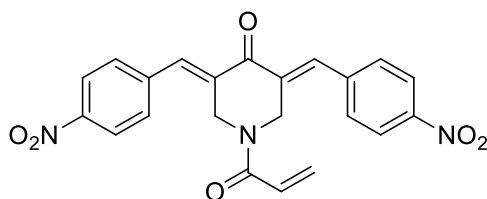
b-AP15

1009817-63-3

NSC-687852

3,5-bis[(4-Nitrophenyl)methylidene]-1-prop-2-enoylpiperidin-4-one

Lot # X104023



Abrogates the deubiquitinating activity of the 19S regulatory particle by inhibiting ubiquitin C-terminal hydrolase 5 (UCHL5) and ubiquitin-specific peptidase 14 (USP14) resulting in accumulation of polyubiquitin in cells. b-AP15 induces tumor cell apoptosis and tumor progression in four different solid tumor models *in vivo*.

- 1) D'Arcy, *et al.* (2011), *Inhibition of proteasome deubiquitinating activity as a new cancer therapy*. Nature Medicine **17** 1636

PHYSICAL DATA

Molecular Weight:	419.40
Molecular Formula:	C ₂₂ H ₁₇ N ₃ O ₆
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 35 mg/ml)
Physical Description:	Pale yellow solid (MP = 170-174°C)
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 3 months.

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