

b-AP15 (NSC-687852), DUB inhibitor

Catalog	Unit
TBI1340-5MG	5 mg
TBI1340-25MG	25 mg

Product Details

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

Alternate Names: NSC-687852

Molecular Formula: C₂₂H₁₇N₃O₆

Formula Weight: 419.40

CAS Number: 1009817-63-3

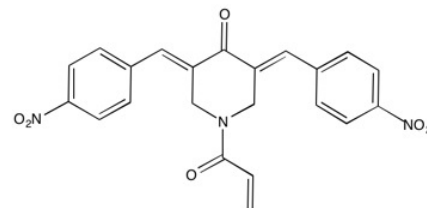
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

DUB inhibitor

Functions

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.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.