



Catalog # 10-1385

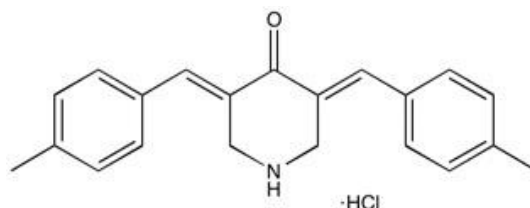
NSC632839

CAS# 157654-67-6

F6

3,5-Bis[(4-methylphenyl)methylene]-4-piperidone hydrochloride

Lot # X104709



A pan-specific ubiquitin isopeptidase inhibitor. (IC_{50} = 45, 37 and 9.8 μ M for USP2, USP7 and SENP2 respectively) Does not affect proteasome proteolytic activity. Induces apoptosis via a Bcl-2-dependent but apoptosome-independent mitochondrial pathway.^{1,2} Cell permeable.

- 1) Aleo *et al.* (2006), *Identification of new compounds that trigger apoptosome-independent caspase activation and apoptosis*; *Cancer Res.*, **66** 9235
- 2) Nicholson *et al.* (2008), *Characterization of ubiquitin and ubiquitin-like-protein isopeptidase activities*; *Protein Sci.*, **17** 1035

PHYSICAL DATA

Molecular Weight:	339.86
Molecular Formula:	C ₂₁ H ₂₁ NO · HCl
Purity:	98% by HPLC NMR: (Conforms)
Solubility:	DMSO (up to 8 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at room -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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