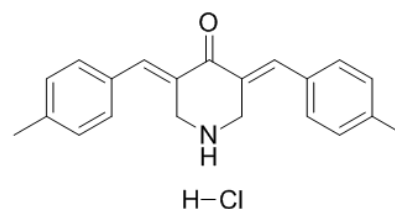


Product Name : NSC632839
Cat. No. : PC-42231
CAS No. : 157654-67-6
Molecular Formula : C₂₁H₂₂ClNO
Molecular Weight : 339.8585
Target : Deubiquitinase (DUB)
Solubility : DMSO: 6.2 mg/mL (Need warming)



Biological Activity

NSC632839 is a small molecule inhibitor of ubiquitin-proteasome system by inhibiting the ubiquitin isopeptidases, inhibits **USP2**, **USP7**, and **SENP2** with EC₅₀ values of 45 μM, 37 μM, and 9.8 μM, respectively. NSC632839 induces a unique apoptotic pathway, which includes a Bcl-2-dependent but apoptosome-independent mitochondrial pathway with up-regulation of the BH3-only protein Noxa, stabilization of the IAP antagonist Smac, but also the involvement of the death receptor pathway.

References

- Aleo E, et al. *Cancer Res.* 2006 Sep 15;66(18):9235-44.
Nicholson B, et al. *Protein Sci.* 2008 Jun;17(6):1035-43.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com