

Product Name : NSC697923

Synonyms : NSC 697923

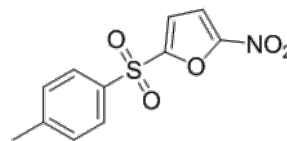
Cat No. : M14169

CAS Number : 343351-67-7

Molecular Formula : C₁₁H₉NO₅S

Formula Weight : 267.26

Chemical Name : 2-nitro-5-tosylfuran



Description : NSC697923 (NSC 697923) is a small molecule that specifically inhibits the activity of the ubiquitin-conjugating (E2) enzyme Ubc13 (UBE2N)-Uev1A; NSC697923 impedes the formation of the Ubc13 and ubiquitin thioester conjugate and suppresses constitutive NF-κB activity in ABC-DLBCL cells, inhibits NF-κB activation induced by PMA, but not by TNFα; specifically inhibits Ubc13-mediated polyubiquitin chain synthesis in vitro, does not inhibit UbcH5c-mediated polyubiquitin chain formation; inhibits the proliferation and survival of ABC-DLBCL cells and GCB-DLBCL cells.

Pathway : Proteasome/Ubiquitin

Target : E2

Receptor : E2

Solubility : —

SMILES : O=[N+](C1=CC=C(C(S(=O)(=O)C2=CC=C(C)C=C2)O)O1)[O-]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pulvino M, et al. Blood. 2012 Aug 23;120(8):1668-77. | 2. Cheng J, et al. Cell Death Dis. 2014 Feb 20;5:e1079. | 3. Ritorto MS, et al. Nat Commun. 2014 Aug 27;5:4763. | 4. Hodge CD, et al. ACS Chem Biol. 2015 Jul 17;10(7):1718-28.