
Catalog	Unit
TBI1418-5MG	5 mg
TBI1418-25MG	25 mg

Product Details

Formal Name: 2-[(Methylphenyl)sulfonyl]-5-nitrofuran

Molecular Formula: C₁₁H₉NO₅S

Formula Weight: 267.26

CAS Number: 343351-67-7

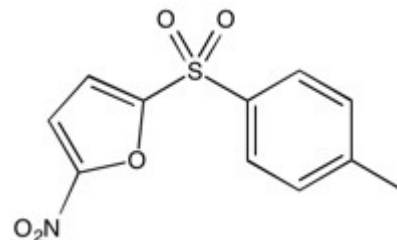
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 5 mg/ml with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Ubiquitin E2 ligase inhibitor

Functions

Selective inhibitor of E2 ubiquitin-conjugating enzyme, Ubc13-Uev1A. Does not inhibit UbcH5c activity. Impedes the formation of the Ubc13 and inhibits NF-κB activation in activated B cell-like diffuse large B-cell lymphoma (ABC-DLBCL) cells. Blocks proliferation and survival of both ABC-DLBCL and germinal center B cell-like (GCB)-DLBCL cell lines, and survival of primary DLBCL cells. Acts via covalent bonding to E2 active site thiol. Induces neuroblastoma cell death via activation of p53 and JNK.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.