**Product Information**

**Product ID** B030966

**CAS No.** 19542-67-7

**Chemical Name** 3-[(4-methylphenyl)sulfonyl]-(2E)-propenenitrile

**Synonym**

**Formula** C_{10}H_{9}NO_{2}S

**Formula Wt.** 207.25

**Melting Point**

- **Purity** ≥98%
- **Solubility** Soluble in DMSO (>25 mg/ml), ethanol (15 mg/ml), methanol, dichloromethane, DMF (~25 mg/ml), and 1:3 DMF-PBS (pH 7.2) (~0.25 mg/ml). Insoluble in water and anhydrous ethyl alcohol

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** BAY 11-7082 is an inhibitor of IkappaBalpha phosphorylation and degradation. Treatment of multiple myeloma cells with BAY 11-7082 has been shown to induce rapid swelling followed by disintegration of the cell body. Studies have shown that BAY 11-7082 inhibits not only NF-kB, but in addition inhibits many components of inflammatory signaling pathways including PI3K/Akt/IKK/NFkB, ERK/JNK/AP-1, TBK1/IRF-3, and Jak-2/STAT-1. BAY 11-7082 has also been found to target the NLRP3 inflammasome pathway at many levels.

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.