

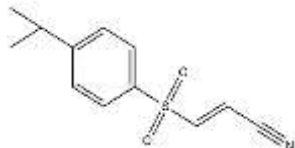
# BAY 11-7085

**ALTERNATE NAME:** (E)-3-(4-t-Butylphenylsulfonyl)-2-propenenitrile  
3-[[4-(1,1-dimethylethyl)phenyl]sulfonyl]-2E-propenenitrile

**CATALOG #:** B2329-10  
B2329-50

**AMOUNT:** 10 mg  
50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>13</sub> H<sub>15</sub> NO<sub>2</sub> S

**MOLECULAR WEIGHT:** 249.33

**CAS NUMBER:** 196309-76-9

**APPEARANCE:** White solid

**PURITY:** ≥98% by HPLC

**SOLUBILITY:** >20 mg/ml (EtOH)  
>20 mg/ml (DMSO)

**REFERENCES:** Pierce, J.W., et al. (1997). J. Biol. Chem. 272, 21096-21103

**DESCRIPTION:** An irreversible inhibitor of IκBα phosphorylation, preventing activation of NF-κB by cytokines and lipopolysaccharide (IC<sub>50</sub> = 10 μM). It prevents gene expression that is regulated through the classical pathway of NF-κB activation and thus blocks apoptosis, cell adhesion, and inflammation.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

BMS-345541 (B1907)  
IKK16 (B1087)  
PS-1145 (9671)  
BAY 11-7082 (1867)  
NF-κB Inhibitor, SN-50 (2506)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*