

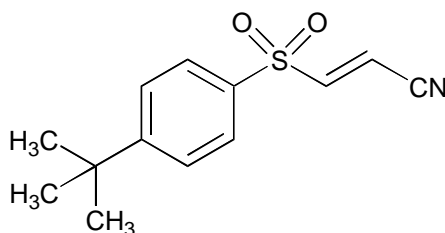
Catalog No. 11216-032 10 mg

PRODUCT: BAY 11-7085
(E)-3-[(4-t-Butylphenylsulfonyl)-2-propenenitrile

CATALOG NO.: 11216-032

SIZE: 10 mg

STRUCTURE:



PHYSICAL APPEARANCE: White solid (m.p. 80-82°C)

MOLECULAR FORMULA: C₁₃H₁₅NO₂S MOLECULAR WEIGHT: 249.3

PURITY: 99%

SOLUBILITY: Soluble in DMSO (>25 mg/ml) and ethanol (>25 mg/ml)

STORAGE: Store, as supplied, at room temperature for up to 1 year. Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: Inhibited NF-κB activated expression of ICAM-1, VCAM-1, E-selectin, IL-6 and IL-8, in TNFα treated HUVECs, with IC₅₀'s of 5-10 μM. The inhibition of IκB-α phosphorylation and cell adhesion molecule expression and the stabilization of IκB-α were found to be irreversible effects. Compound displayed anti-inflammatory activity in two rat model systems (20 mg/kg i.p.)¹. The product is not sterile.

REFERENCES: 1. J.W. Pierce *et al. J. Biol. Chem.* 1997 **272** 21096

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.