

Catalog No. 11216-031 10 mg

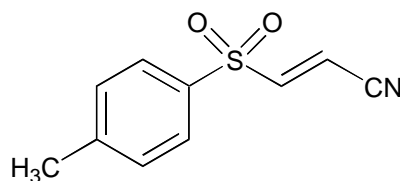
PRODUCT: BAY 11-7082
(E)-3-[[4-methylphenylsulfonyl]-2-propenenitrile

CAS NO: 195462-67-7

CATALOG NO.: 11216-031

SIZE: 10 mg

STRUCTURE:



PHYSICAL APPEARANCE: Off-white solid (m.p. 128-130°C)

MOLECULAR FORMULA: C₁₀H₉NO₂S

MOLECULAR WEIGHT: 207.3

PURITY: 99%

SOLUBILITY: Soluble in DMSO (>25 mg/ml) and ethanol (15 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: Inhibitor of cytokine-induced I κ B- α phosphorylation. Inhibited NF- κ B activated expression of ICAM-1, VCAM-1, E-selectin, IL-6 and IL-8, in TNF κ B treated HUVECs, with IC₅₀'s of 5-10 μ M. The inhibition of I κ B- α phosphorylation and cell adhesion molecule expression and the stabilization of I κ B- α were found to be irreversible effects¹. 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.