TC-E-5003

Catalog No: 14099
Format: 50 mg

**Chemical Properties:**
MW = 401.3
C$_{16}$H$_{14}$Cl$_2$N$_2$O$_4$S
CAS 17328-16-4
Physical Properties: White powder
**Names:** N,N'-(Sulfonyldi-4,1-phenylene)bis(2-chloroacetamide)

**Pharmacology:** Selective protein arginine methyltransferase 1 (PRMT1) inhibitor (IC$_{50}$ = 1.5 µM). Displays no activity against CARM1 and Set7/9 methyltransferases. Inhibits growth of MCF7 breast cancer cells and LNCaP prostate cancer cells. Blocks androgen-induced gene expression in LNCaP cells (ref1).

**Solubilization:** May be dissolved in DMSO (50 mg/ml); DMF (50 mg/ml); Ethanol (nil)

**Fluorescent Properties:** N/A

**Quality Control:**
>98% (TLC); NMR (Conforms)

References:

**Storage and Guarantee:** Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 1 month. This product is guaranteed for 6 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.