



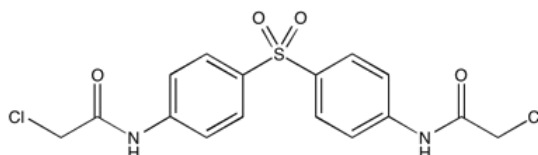
**Catalog # 10-1499**

**TC-E 5003**

17328-16-4

N,N'-(Sulfonyldi-4,1-phenylene)bis(2-chloroacetamide)

Lot # S102160



Selective protein arginine methyltransferase 1 (PRMT1) inhibitor,  $IC_{50} = 1.5 \mu M$ . Displays no activity against CARM1 and Set7/9 methyltransferases. Inhibits growth of MCF7a breast cancer cells and LNCaP prostate cancer cells. Blocks androgen-induced gene expression in LNCaP cells<sup>1</sup>.

1) Bissinger *et al.* (2011), *Acyl derivatives of p-aminosulfonamides and dapsone as new inhibitors of the arginine methyltransferase hPRMT1*; *Bioorg. Med. Chem.*, **19** 3717

### PHYSICAL DATA

Molecular Weight:	401.26
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> S
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml), negligible solubility in ethanol
Physical Description:	Brown solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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