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Catalog	Unit
TBI1499-50MG	50 mg
TBI1499-250MG	250 mg

### Product Details

**Formal Name:** N,N'-(Sulfonyldi-4,1-phenylene)bis(2-chloroacetamide)

**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub>S

**Formula Weight:** 401.26

**CAS Number:** 17328-16-4

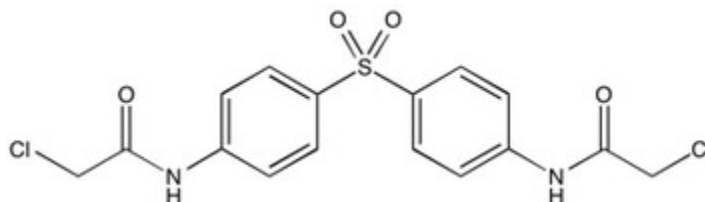
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Arginine methyl transferase 1 (PRMT1) inhibitor

### Functions

Selective protein arginine methyltransferase 1 (PRMT1) inhibitor, IC<sub>50</sub> = 1.5 μM. 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.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**