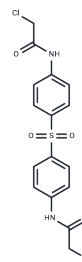


TC-E 5003

Chemical Properties

CAS No. : 17328-16-4
 Formula: C₁₆H₁₄Cl₂N₂O₄S
 Molecular Weight: 401.26
 Storage: Keep away from direct sunlight, Keep away from moisture, Store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	TC-E 5003 (NSC-30176) is a selective inhibitor of PRMT1 with IC ₅₀ of 1.5 μM.
Targets(IC ₅₀)	NF-κB, Histone Methyltransferase, DNA/RNA Synthesis, PKA
In vitro	The GI ₅₀ values for TC-E 5003 were 1.97 μM on MCF7a cells and 4.49 μM on LNCaP cells.

Solubility Information

Solubility	DMSO: 45 mg/mL (112.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.98 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4921 mL	12.4607 mL	24.9215 mL
5 mM	0.4984 mL	2.4921 mL	4.9843 mL
10 mM	0.2492 mL	1.2461 mL	2.4921 mL
50 mM	0.0498 mL	0.2492 mL	0.4984 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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