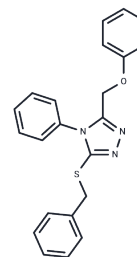


MIND4-19

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 129544-85-0 |
| Formula: | C ₂₂ H ₁₉ N ₃ O ₅ |
| Molecular Weight: | 373.47 |
| Storage: | 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 | MIND4-19 is an inhibitor of SIRT2 with antitumor activity. |
| Targets(IC50) | Sirtuin |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 50 mg/mL (133.88 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 (5.36 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 | 2.6776 mL | 13.388 mL | 26.7759 mL |
| 5 mM | 0.5355 mL | 2.6776 mL | 5.3552 mL |
| 10 mM | 0.2678 mL | 1.3388 mL | 2.6776 mL |
| 50 mM | 0.0536 mL | 0.2678 mL | 0.5355 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.

Reference

Polucci P, et al. Alkylsulfanyl-1,2,4-triazoles, a new class of allosteric valosine containing protein inhibitors. Synthesis and structure-activity relationships. J Med Chem. 2013 Jan 24;56(2):437-50.

Quinti L, et al. SIRT2- and NRF2-Targeting Thiazole-Containing Compound with Therapeutic Activity in Huntington's Disease Models. Cell Chem Biol. 2016 Jul 21;23(7):849-861.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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