SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MIND4-19

Cat. No.: HY-147233

CAS No.: 129544-85-0

Molecular Formula: $C_{22}H_{19}N_3OS$

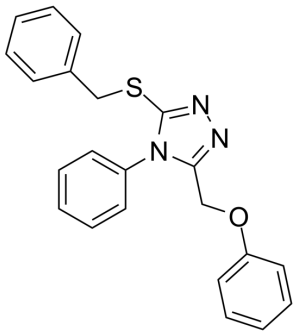
Molecular Weight: 373.47

Target: Sirtuin

Pathway: Cell Cycle/DNA Damage; Epigenetics

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (267.76 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.6776 mL	13.3880 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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.69 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.69 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.69 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MIND4-19 is a potent SIRT2 inhibitor with an IC_{50} value of 7.0 μM. MIND4-19 can be used for researching Huntington's disease[1].

IC_{50} & Target

SIRT2

7.0 μM (IC_{50})

REFERENCES

[1]. 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.

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