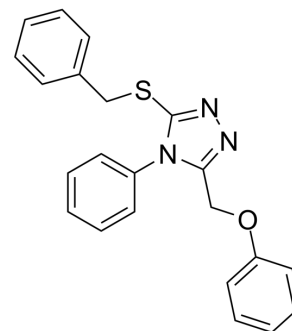


MIND4-19

Cat. No.:	HY-147233
CAS No.:	129544-85-0
Molecular Formula:	C ₂₂ H ₁₉ N ₃ OS
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 Concentration	Mass		
		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

- 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
- 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
- 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 IC₅₀ value of 7.0 μM. MIND4-19 can be used for researching Huntington's disease^[1].

IC₅₀ & Target

SIRT2
7.0 μM (IC₅₀)

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA