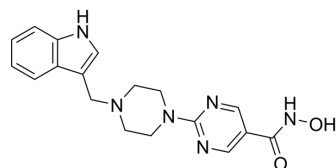


KH16

Cat. No.:	HY-155840		
Molecular Formula:	C ₁₈ H ₂₀ N ₆ O ₂		
Molecular Weight:	352.39		
Target:	HDAC; Apoptosis		
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (709.44 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.8378 mL	14.1888 mL	28.3776 mL
	5 mM		0.5676 mL	2.8378 mL	5.6755 mL
	10 mM		0.2838 mL	1.4189 mL	2.8378 mL

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

BIOLOGICAL ACTIVITY

Description

KH16 is a potent and low nanomolar HDAC inhibitor. KH16 is against class I HDACs HDAC1, HDAC2, and HDAC3, with IC₅₀ values ranging from 6 to 34 nM. KH16 induces cell apoptosis and is against tumor cells with various gene expression patterns^[1].

REFERENCES

[1]. Ramy Ashry, et al. NOXA Accentuates Apoptosis Induction by a Novel Histone Deacetylase Inhibitor. *Cancers (Basel)*. 2023 Jul 17;15(14):3650.

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

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