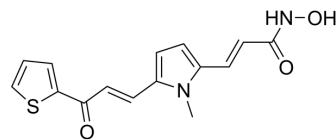


HDAC-IN-62

Cat. No.:	HY-155182
Molecular Formula:	C ₁₅ H ₁₄ N ₂ O ₃ S
Molecular Weight:	302.35
Target:	HDAC; Autophagy
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HDAC-IN-62 (Compound 5) a HDAC inhibitor, with IC ₅₀ s of 0.78, 1.0, 1.2? μM for HDAC6/8/11 respectively. HDAC-IN-62 inhibits-induced microglial activation by the initiation of autophagy, and inhibits nitric oxide production. HDAC-IN-62 has anti-inflammatory and anti-depressant effects. HDAC-IN-62 inhibits microglial activation in mouse brain ^[1] .
IC ₅₀ & Target	0.78, 1.0, 1.2? μM for HDAC6/8/11 ^[1]

REFERENCES

[1]. Baek SY, et al. Development of a novel histone deacetylase inhibitor unveils the role of HDAC11 in alleviating depression by inhibition of microglial activation. *Biomed Pharmacother.* 2023 Aug 9;166:115312.

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