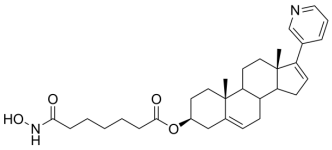
CYP17A1/HDAC6-IN-1

Cat. No.:	HY-163359
Molecular Formula:	$C_{31}H_{42}N_2O_4$
Molecular Weight:	506.68
Target:	Cytochrome P450; HDAC
Pathway:	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CYP17A1/HDAC6-IN-1 (compound 12) is a potent inhibitor of CYP17A1/HDAC6, with IC_{50} of 0.284μM and 0.6015 μM,respectively. CYP17A1/HDAC6-IN-1 has anti-tumor activity[1].	
IC_{50} & Target	CYP17A1 0.284 μM (IC_{50})	HDAC6 0.6015 μM (IC_{50})

REFERENCES

[1]. Ram Sharma, et al. Dual inhibition of CYP17A1 and HDAC6 by abiraterone-installed hydroxamic acid overcomes temozolomide resistance in glioblastoma through inducing DNA damage and oxidative stress. Cancer Lett. 2024 Feb 2:586:216666.

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