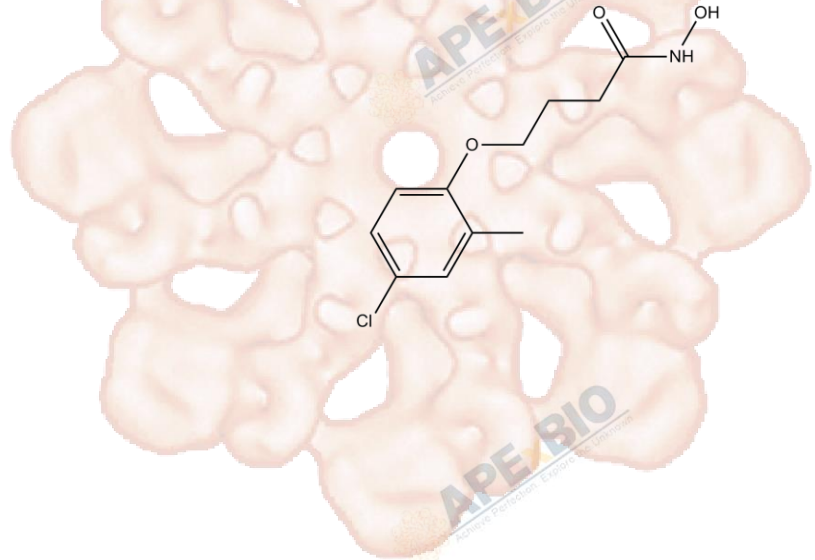


Product Data Sheet

Droxinostat

Cat. No.:	A4100
CAS No.:	99873-43-5
Formula:	C ₁₁ H ₁₄ ClNO ₃
M.Wt:	243.69
Synonyms:	
Target:	DNA Damage/DNA Repair
Pathway:	HDAC
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥102.8 mg/mL in EtOH; ≥11.35 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	4.1036 mL	20.5179 mL	41.0357 mL
	5 mM	0.8207 mL	4.1036 mL	8.2071 mL
	10 mM	0.4104 mL	2.0518 mL	4.1036 mL

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

Biological Activity

Shortsummary

Selective HDAC inhibitor

IC₅₀ & Target

1.46 μM (HDAC8), 2.47 μM (HDAC6), 16.9 μM (HDAC3), >20 μM (HDAC1), >20 μM (HDAC2)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Huang Y, Yang W, et al. "Droxinostat sensitizes human colon cancer cells to apoptotic cell death via induction of oxidative stress." Cell Mol Biol Lett. 2018 Jul 28;23:34.PMID:30065760

2. Bagnall NH, Hines BM, et al. "Insecticidal activities of histone deacetylase inhibitors against a dipteran parasite of sheep, *Lucilia cuprina*." Int J Parasitol Drugs Drug Resist. 2017 Apr;7(1):51-60.PMID:28110187

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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