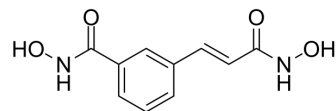


m-Carboxycinnamic acid bishydroxamide

Cat. No.:	HY-W014004
CAS No.:	174664-65-4
Molecular Formula:	C ₁₀ H ₁₀ N ₂ O ₄
Molecular Weight:	222.2
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

m-Carboxycinnamic acid bishydroxamide is a potent HDAC inhibitor, exhibiting ID₅₀ values of 10 and 70 nM in vitro for HDAC1 and HDAC3, respectively^[1]. m-Carboxycinnamic acid bishydroxamide also induces apoptosis and suppresses tumor growth^[2].

REFERENCES

- [1]. Richon VM, et al. A class of hybrid polar inducers of transformed cell differentiation inhibits histone deacetylases. *Proc Natl Acad Sci U S A*. 1998 Mar 17;95(6):3003-7.
- [2]. Glick RD, et al. Hybrid polar histone deacetylase inhibitor induces apoptosis and CD95/CD95 ligand expression in human neuroblastoma. *Cancer Res*. 1999 Sep 1;59(17):4392-9.

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

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