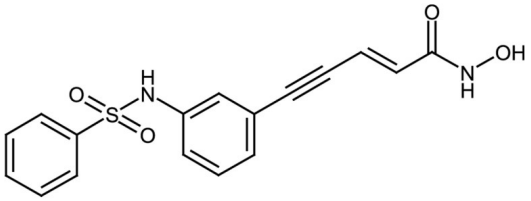
Oxamflatin

HDAC inhibitor

Potent inhibitor of mammalian HDACs (histone deacetylases) (IC_{50} =15.7nM). Acts as a ligand for the enzyme active site metal ion. Upregulates plasminogen activator inhibitor type 2 (PAI-2) expression with concomitant inhibition of urokinase (u-PA) gene and protein expression in HT-1080 and U-937 cells. Elevates the expression of extracellular matrix proteins fibronectin and gelsolin. Induces apoptosis in P-glyoprotein (Pgp) positive and Pgp negative multidrug resistant cells.

Citations: 7 View Online »

Manuals, SDS & CofA View Online »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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Packaged under inert gas. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(2E)-5-[3-(Phenylsulfonylamino)phenyl]pent-2-en-4-ynohydroxamic acid
Appearance	Tan to yellow solid.
CAS	151720-43-3
Couple Target	HDAC
Couple Type	Inhibitor
Formula	$C_{17}H_{14}N_2O_4S$
MW	342.4
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO, methanol or acetonitrile.

Last modified: May 29, 2024

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