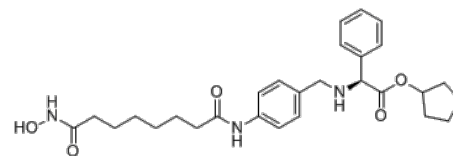


Product Name : Tefinostat
Cat. No. : PC-21650
CAS No. : 914382-60-8
Molecular Formula : C₂₈H₃₇N₃O₅
Molecular Weight : 495.62
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Tefinostat (CHR-2845) is a monocyte/macrophage targeted pan histone deacetylase (HDAC) inhibitor, which is cleaved into the active acid CHR-2847 by the intracellular esterase human carboxylesterase-1 (hCE-1).

Tefinostat show sselective high sensitivity against monocytoid leukaemias with EC₅₀ of 57 nM to MV411 (M4, FLT3-ITD).

Tefinostat spares normal bone marrow progenitor cells.

hCE-1 expression levels dictate efficacy of Tefinostat in monocytic leukaemias.

Tefinostat is synergistic with cytarabine.

References

Zabkiewicz J, et al. Oncotarget. 2016 Mar 29;7(13):16650-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com