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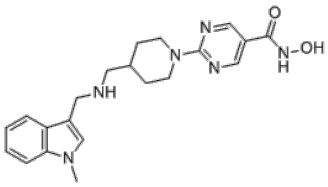
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Quisinostat
Cat. No.	:	PC-21412
CAS No.	:	875320-29-9
Molecular Formula	:	$C_{21}H_{26}N_6O_2$
Molecular Weight	:	394.48
Target	:	HDAC
Solubility	:	10 mM in DMSO



Biological Activity

Quisinostat (JNJ-26481585) is potent, second-generation histone deacetylase (**HDAC**) inhibitor with IC50 of 0.11 nM-0.64 nM for HDAC1, HDAC2, HDAC4, HDAC10 and HDAC11.
Quisinostat (JNJ-26481585) induced caspase cascade activation and upregulation of p21, resulting in apoptosis and cell cycle arrest in the myeloma cells at low nanomolar concentrations.
JNJ-26481585 had a potent anti-MM activity that can overcome the stimulatory effect of the BM microenvironment in vivo.
Quisinostat (JNJ-26481585) fully inhibited the growth of C170HM2 colorectal liver metastases, shows broad-spectrum preclinical antitumoral activity.

References

Deleu S, et al. ***Leukemia.*** 2009 Oct;23(10):1894-903.

Deleu S, et al. ***Cancer Res***. 2009 Jul 1;69(13):5307-11.

Arts J, et al. ***Clin Cancer Res***. 2009 Nov 15;15(22):6841-51.

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

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