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An Overview of HDAC Inhibitors and their Synthetic Routes

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Current Topics in Medicinal Chemistry, 2019, 19, 1005-1040.

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#	Paper	IF	Citations
22	Epigenetic Regulation and Drug Discovery for Cancer Therapy. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 971	3	3
21	Histone deacetylase inhibition by MS-275 potentiates glucose-stimulated insulin secretion without affecting glucose oxidation. <i>Life Sciences</i> , 2020 , 257, 118073	6.8	3
20	Recent progress on HDAC inhibitors with dual targeting capabilities for cancer treatment. <i>European Journal of Medicinal Chemistry</i> , 2020 , 208, 112831	6.8	21
19	Histone modifications in epigenetic regulation of cancer: Perspectives and achieved progress. <i>Seminars in Cancer Biology</i> , 2020 ,	12.7	20
18	Histone Deacetylase 3 Aggravates Type 1 Diabetes Mellitus by Inhibiting Lymphocyte Apoptosis Through the Axis. <i>Frontiers in Genetics</i> , 2020 , 11, 536854	4.5	5
17	Lysine-specific demethylase 1 (LSD1) promotes ovarian cancer cell progression by Forkhead box O 3a (FOXO3a) inhibition. <i>Materials Express</i> , 2020 , 10, 594-602	1.3	2
16	Rectification of cavernosal fibrosis and veno-occlusive dysfunction by administration of suberoylanilide hydroxamic acid in a rat model of cavernosal nerve injury: Comparison with a PDE5 inhibitor. <i>Andrology</i> , 2021 , 9, 720-727	4.2	0
15	Synthesis of C3-alkenylated 2,3,4-trisubstituted pyrrole derivatives through cyclization of methylene isocyanides and enediyne ketones. <i>New Journal of Chemistry</i> , 2021 , 45, 1834-1837	3.6	1
14	Fluorescent Nanohybrids from ZnS/CdSe Quantum Dots Functionalized with Triantennary, -Hydroxy-(4-arylbutanamido)benzamide/Gallamide Dendrons That Act as Inhibitors of Histone Deacetylase for Lung Cancer.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2475-2489	4.1	
13	IL-4 inhibits regulatory T cells differentiation by HDAC9-mediated epigenetic regulation. <i>Cell Death and Disease</i> , 2021 , 12, 501	9.8	1
12	Efficient Synthesis and Bioevaluation of Novel Dual Tubulin/Histone Deacetylase 3 Inhibitors as Potential Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 8447-8473	8.3	8
11	Identification of unique subtype-specific interaction features in Class II zinc-dependent HDAC subtype binding pockets: A computational study. <i>Journal of Biosciences</i> , 2021 , 46, 1	2.3	0
10	Improved HDAC Inhibition, Stronger Cytotoxic Effect and Higher Selectivity against Leukemias and Lymphomas of Novel, Tricyclic Vorinostat Analogues. <i>Pharmaceutics</i> , 2021 , 14,	5.2	1
9	Epigenetics and Noncoding RNA Principles and Clinical Impact. <i>Osteologie</i> , 2021 , 30, 201-210	0.2	
8	Progress in the Research of Selective Histone deacetylase Inhibitors. <i>Advances in Material Chemistry</i> , 2021 , 09, 9-23	0.1	
7	Discovery of novel 7,8-dihydropteridine-6(5H)-one-based DNA-PK inhibitors as potential anticancer agents via scaffold hopping strategy.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 237, 114401	6.8	1
6	Romidepsin (FK228) improves the survival of allogeneic skin grafts through downregulating the production of donor-specific antibody via suppressing the IRE1 β XBP1 pathway.. <i>Journal of Zhejiang University: Science B</i> , 2022 , 23, 392-406	4.5	

- 5 The role of epigenetics in cancer metastasis. **2022**, 277-300
- 4 Optimization of Resveratrol Used as a Scaffold to Design Histone Deacetylase (HDAC-1 and HDAC-2) Inhibitors. **2022**, 15, 1260
- 3 Novel (E)-3-(1-substituted-1H-indazol-5-yl)-N-hydroxypropenamides as histone deacetylase inhibitors: design, synthesis and structure-activity relationships.
- 2 Photocaged Histone Deacetylase Inhibitors as Prodrugs in Targeted Cancer Therapy. **2023**, 16, 356
- 1 Novel (E)-3-(3-oxo-4-substituted-3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-N-hydroxypropenamides as Histone Deacetylase Inhibitors: Design, Synthesis and Bioevaluation.