

# CITATION REPORT

List of articles citing

## Targeting cancer with phosphodiesterase inhibitors

DOI: 10.1517/13543780903485642

Expert Opinion on Investigational Drugs, 2010, 19, 117-31.

**Source:** <https://exaly.com/paper-pdf/49790340/citation-report.pdf>

**Version:** 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
118	Molecular analysis, developmental function and heavy metal-induced expression of ABCC5 in zebrafish. <b>2011</b> , 158, 46-55		41
117	Phosphodiesterase function and endocrine cells: links to human disease and roles in tumor development and treatment. <b>2011</b> , 11, 689-97		32
116	Treating brain tumors with PDE4 inhibitors. <b>2011</b> , 32, 337-44		37
115	RAF-isotype switching: from B to C through PDE. <b>2011</b> , 18, 517-8		1
114	Cyclic AMP induces apoptosis in multiple myeloma cells and inhibits tumor development in a mouse myeloma model. <b>2011</b> , 11, 301		30
113	Anti-proliferative effect of curcumin on melanoma cells is mediated by PDE1A inhibition that regulates the epigenetic integrator UHRF1. <b>2011</b> , 55, 1677-89		86
112	t(4;8)(q27;q24) in Hodgkin lymphoma cells targets phosphodiesterase PDE5A and homeobox gene ZHX2. <b>2011</b> , 50, 996-1009		23
111	cAMP-Specific Phosphodiesterases: Modulation, Inhibition, and Activation. <b>2012</b> , 1-35		1
110	Cyclic AMP, protein kinase A, and phosphodiesterases: proceedings of an international workshop. <b>2012</b> , 44, 713-5		6
109	Inhibition of phosphodiesterase 9 induces cGMP accumulation and apoptosis in human breast cancer cell lines, MCF-7 and MDA-MB-468. <b>2012</b> , 45, 199-206		27
108	Vinpocetine inhibits breast cancer cells growth in vitro and in vivo. <b>2012</b> , 17, 1120-30		16
107	Cyclic AMP is both a pro-apoptotic and anti-apoptotic second messenger. <b>2012</b> , 204, 277-87		143
106	Simultaneous LC-MS/MS analysis of the biomarkers cAMP and cGMP in plasma, CSF and brain tissue. <b>2012</b> , 203, 338-43		30
105	Targetting cancer with Ru(III/II)-phosphodiesterase inhibitor adducts: a novel approach in the treatment of cancer. <b>2013</b> , 80, 841-6		11
104	Regulation of the Hippo pathway and implications for anticancer drug development. <b>2013</b> , 34, 581-9		91
103	High expression of cyclic nucleotide phosphodiesterase 7B mRNA predicts poor prognosis in mantle cell lymphoma. <b>2013</b> , 37, 536-40		5
102	Houttuynia cordata Thunb extract modulates G0/G1 arrest and Fas/CD95-mediated death receptor apoptotic cell death in human lung cancer A549 cells. <b>2013</b> , 20, 18		26

101	CDK-associated Cullin 1 promotes cell proliferation with activation of ERK1/2 in human lung cancer A549 cells. <b>2013</b> , 437, 108-13		10
100	New approaches for the identification of drug targets in protozoan parasites. <b>2013</b> , 301, 359-401		32
99	Benzoquinones and terphenyl compounds as phosphodiesterase-4B inhibitors from a fungus of the order Chaetothyriales (MSX 47445). <b>2013</b> , 76, 382-7		36
98	A simple enantioselective route toward (R)- and (S)-Rolipram via anhydride desymmetrization. <b>2013</b> , 24, 217-222		6
97	Cocaine self-administration by rats is inhibited by cyclic GMP-elevating agents: involvement of epigenetic markers. <b>2013</b> , 16, 1587-97		10
96	Adjuvant host-directed therapy with types 3 and 5 but not type 4 phosphodiesterase inhibitors shortens the duration of tuberculosis treatment. <b>2013</b> , 208, 512-9		39
95	Cyclic phosphatidic acid stimulates cAMP production and inhibits growth in human colon cancer cells. <b>2013</b> , 8, e81139		24
94	PDE2 is a novel target for attenuating tumor formation in a mouse model of UVB-induced skin carcinogenesis. <b>2014</b> , 9, e109862		5
93	Carnosic acid inhibits the epithelial-mesenchymal transition in B16F10 melanoma cells: a possible mechanism for the inhibition of cell migration. <b>2014</b> , 15, 12698-713		23
92	The role of cyclic nucleotide signaling pathways in cancer: targets for prevention and treatment. <i>Cancers</i> , <b>2014</b> , 6, 436-58	6.6	132
91	Modulation of high affinity ATP-dependent cyclic nucleotide transporters by specific and non-specific cyclic nucleotide phosphodiesterase inhibitors. <b>2014</b> , 745, 249-53		19
90	Advances in targeting cyclic nucleotide phosphodiesterases. <b>2014</b> , 13, 290-314		488
89	Temporal and spatial regulation of cAMP signaling in disease: role of cyclic nucleotide phosphodiesterases. <b>2014</b> , 28, 593-607		18
88	Synthesis of 2,2,4-trimethyl-1,2-dihydroquinolinyl substituted 1,2,3-triazole derivatives: their evaluation as potential PDE 4B inhibitors possessing cytotoxic properties against cancer cells. <b>2014</b> , 53, 8-14		25
87	Recent developments in drug discovery for leishmaniasis and human African trypanosomiasis. <b>2014</b> , 114, 11305-47		217
86	A systematic approach to identify novel cancer drug targets using machine learning, inhibitor design and high-throughput screening. <b>2014</b> , 6, 57		67
85	Synthesis and biological evaluation of novel pyridine derivatives as potential anticancer agents and phosphodiesterase-3 inhibitors. <b>2014</b> , 57, 83-89		26
84	Clinical and molecular genetics of the phosphodiesterases (PDEs). <b>2014</b> , 35, 195-233		157

83	The tumor-suppressive microRNA-1/133a cluster targets PDE7A and inhibits cancer cell migration and invasion in endometrial cancer. <b>2015</b> , 47, 325-34	17
82	Use of phosphodiesterase type 5 inhibitors may adversely impact biochemical recurrence after radical prostatectomy. <b>2015</b> , 193, 479-83	32
81	cAMP-induced actin cytoskeleton remodelling inhibits MKL1-dependent expression of the chemotactic and pro-proliferative factor, CCN1. <b>2015</b> , 79, 157-68	10
80	Phosphodiesterase Type 5 as a Candidate Therapeutic Target in Cancers. <b>2015</b> , 3, 193-201	7
79	Carboxyamidotriazole: a novel inhibitor of both cAMP-phosphodiesterases and cGMP-phosphodiesterases. <b>2015</b> , 746, 14-21	12
78	Cyclic nucleotide phosphodiesterases: important signaling modulators and therapeutic targets. <b>2015</b> , 21, e25-50	87
77	Phosphodiesterase 10A: a novel target for selective inhibition of colon tumor cell growth and Eatenin-dependent TCF transcriptional activity. <b>2015</b> , 34, 1499-509	36
76	The Hippo pathway mediates inhibition of vascular smooth muscle cell proliferation by cAMP. <b>2016</b> , 90, 1-10	51
75	Expression and Function of Phosphodiesterase Type 5 in Human Breast Cancer Cell Lines and Tissues: Implications for Targeted Therapy. <b>2016</b> , 22, 2271-82	39
74	cAMP signaling increases histone deacetylase 8 expression via the Epac2-Rap1A-Akt pathway in H1299 lung cancer cells. <b>2017</b> , 49, e297	30
73	Nucleoside/Nucleotide Biomarkers. <b>2017</b> , 389-406	
72	A small molecule screen to identify regulators of let-7 targets. <b>2017</b> , 7, 15973	6
71	Targeting tumor cells based on Phosphodiesterase 3A expression. <b>2017</b> , 361, 308-315	17
70	Platelet-targeted pharmacologic treatments as anti-cancer therapy. <b>2017</b> , 36, 331-355	27
69	[Recurrence-free survival after radical prostatectomy and PDE-5 inhibitor intake]. <b>2017</b> , 56, 492-496	2
68	Increase of Intracellular Cyclic AMP by PDE4 Inhibitors Affects HepG2 Cell Cycle Progression and Survival. <b>2017</b> , 118, 1401-1411	17
67	Novel Polyfunctional Pyridines as Anticancer and Antioxidant Agents. Synthesis, Biological Evaluation and in Silico ADME-T Study. <b>2017</b> , 65, 442-454	8
66	Inhibition of Phosphodiesterase 5 and Increasing the Level of Cyclic Guanosine 3',5' Monophosphate by Hydroalcoholic C. Koch Extract in Human Breast Cancer Cell Lines MCF-7 and MDA-Mb-468. <b>2017</b> , 11, 1178223417690178	6

65	Phosphodiesterase type 5 and cancers: progress and challenges. <b>2017</b> , 8, 99179-99202	28
64	A novel computational approach for drug repurposing using systems biology. <b>2018</b> , 34, 2817-2825	55
63	Substituted spirooxindole derivatives as potent anticancer agents through inhibition of phosphodiesterase 1.. <b>2018</b> , 8, 14335-14346	37
62	Design, synthesis, and molecular modeling of heterocyclic bioisostere as potent PDE4 inhibitors. <b>2018</b> , 351, e1700403	1
61	NMR structural elucidation of channaine, an unusual alkaloid from <i>Sceletium tortuosum</i> . <b>2018</b> , 23, 189-193	5
60	Dual Role of CREB in The Regulation of VSMC Proliferation: Mode of Activation Determines Pro- or Anti-Mitogenic Function. <b>2018</b> , 8, 4904	15
59	Fragment-Based Drug Discovery of Phosphodiesterase Inhibitors. <b>2018</b> , 61, 1415-1424	14
58	Natural products as modulators of the cyclic-AMP pathway: evaluation and synthesis of lead compounds. <b>2018</b> , 16, 6372-6390	14
57	Therapeutic targeting of 3',5'-cyclic nucleotide phosphodiesterases: inhibition and beyond. <b>2019</b> , 18, 770-796	100
56	Transcriptomic profiling of gamma ray induced mutants from the CGL1 human hybrid cell system reveals novel insights into the mechanisms of radiation-induced carcinogenesis. <b>2019</b> , 145, 300-311	3
55	Phosphodiesterase 5 (PDE5) Is Highly Expressed in Cancer-Associated Fibroblasts and Enhances Breast Tumor Progression. <i>Cancers</i> , <b>2019</b> , 11,	6.6 15
54	Emerging therapeutic potential of anti-psychotic drugs in the management of human glioma: A comprehensive review. <b>2019</b> , 10, 3952-3977	11
53	Identification of MRP4/ABCC4 as a Target for Reducing the Proliferation of Pancreatic Ductal Adenocarcinoma Cells by Modulating the cAMP Efflux. <b>2019</b> , 96, 13-25	12
52	A predictive computational model reveals that GIV/girdin serves as a tunable valve for EGFR-stimulated cyclic AMP signals. <b>2019</b> , 30, 1621-1633	9
51	Targeting Cyclic AMP Signalling in Hepatocellular Carcinoma. <b>2019</b> , 8,	17
50	The Prognostic Significance of PDE7B in Cytogenetically Normal Acute Myeloid Leukemia. <b>2019</b> , 9, 16991	7
49	A Novel Flavonoid Kushenol Z from <i>Mediata</i> mTOR Pathway by Inhibiting Phosphodiesterase and Akt Activity to Induce Apoptosis in Non-Small-Cell Lung Cancer Cells. <b>2019</b> , 24,	10
48	Phosphodiesterase 7B/microRNA-200c relationship regulates triple-negative breast cancer cell growth. <b>2019</b> , 38, 1106-1120	16

47	Genetic variants in the calcium signaling pathway genes are associated with cutaneous melanoma-specific survival. <b>2019</b> , 40, 279-288	4
46	Anagrelide for Gastrointestinal Stromal Tumor. <b>2019</b> , 25, 1676-1687	9
45	G $\alpha$ S-1 works upstream of PKA/KIN-1 to regulate calcium signaling and contractility in the <i>Caenorhabditis elegans</i> spermatheca. <b>2020</b> , 16, e1008644	2
44	The hypertensive effect of sorafenib is abolished by sildenafil. <b>2020</b> , 6, 7	2
43	Regulating cellular cyclic adenosine monophosphate: "Sources," "sinks," and now, "tunable valves". <b>2020</b> , 12, e1490	3
42	Roflumilast counteracts DMH-induced preneoplastic colon damage in albino Wistar rats. <b>2020</b> , 39, 1545-1555	4
41	Synthesis, antitumor activity, and molecular docking study of 2-cyclopentyloxyanisole derivatives: mechanistic study of enzyme inhibition. <b>2020</b> , 35, 744-758	4
40	An overview of spirooxindole as a promising scaffold for novel drug discovery. <b>2020</b> , 15, 603-625	67
39	Elevated intracellular cAMP concentration mediates growth suppression in glioma cells. <b>2020</b> , 174, 113823	6
38	Synthesis and SAR Studies of 1-Pyrrolo[2,3-]pyridine-2-carboxamides as Phosphodiesterase 4B (PDE4B) Inhibitors. <b>2020</b> , 11, 1848-1854	5
37	Debenzylative Cycloetherification as a Synthetic Tool in the Diastereoselective Synthesis of 3,6-Disubstituted Hexahydro-2-furo[3,2-]pyrroles, PDE1 Enzyme Inhibitors with an Antiproliferative Effect on Melanoma Cells. <b>2020</b> , 85, 5941-5951	2
36	Phosphodiesterase Type-5 Inhibitor Tadalafil Modulates Steroid Hormones Signaling in a Prostate Cancer Cell Line. <b>2021</b> , 22,	3
35	MicroRNA-133 Targets in and Human Oral Cancer Cells to Regulate Epithelial-Mesenchymal Transition. <b>2021</b> , 12, 5296-5309	1
34	Novel cyanothiouracil and cyanothiocytosine derivatives as concentration-dependent selective inhibitors of U87MG glioblastomas: Adenosine receptor binding and potent PDE4 inhibition. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 212, 113125	6.8 3
33	In silico approach: docking study of oxindole derivatives against the main protease of COVID-19 and its comparison with existing therapeutic agents. <b>2021</b> , 32, 197-214	3
32	Cilostazol is an effective causal therapy for preventing paclitaxel-induced peripheral neuropathy by suppression of Schwann cell dedifferentiation. <b>2021</b> , 188, 108514	5
31	Prognostic and clinicopathological insights of phosphodiesterase 9A gene as novel biomarker in human colorectal cancer. <b>2021</b> , 21, 577	5
30	8-Alkylmercaptocaffeine derivatives: antioxidant, molecular docking, and in-vitro cytotoxicity studies. <b>2021</b> , 111, 104900	2

29	Identification of potential diagnostic and prognostic biomarkers for LUAD based on TCGA and GEO databases. <b>2021</b> , 41,		6
28	Novel treatments for chronic pain: moving beyond opioids. <b>2021</b> , 234, 1-19		1
27	Suppression of Proliferation of Human Glioblastoma Cells by Combined Phosphodiesterase and Multidrug Resistance-Associated Protein 1 Inhibition. <b>2021</b> , 22,		0
26	Use of dipyridamole is associated with lower risk of lymphoid neoplasms: a propensity score-matched cohort study. <b>2021</b> ,		0
25	Nitrosative Stress and Human Disease: Therapeutic Potential of Denitrosylation. <b>2021</b> , 22,		6
24	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. <b>2021</b> , 226, 107858		2
23	The synthesis and biological evaluation of nucleobases/tetrazole hybrid compounds: A new class of phosphodiesterase type 3 (PDE3) inhibitors. <b>2020</b> , 28, 115540		1
22	The metabolic/pH sensor soluble adenylyl cyclase is a tumor suppressor protein. <b>2016</b> , 7, 45597-45607		13
21	Roflumilast restores cAMP/PKA/CREB signaling axis for FtMt-mediated tumor inhibition of ovarian cancer. <b>2017</b> , 8, 112341-112353		7
20	Suppression of Eatenin/TCF transcriptional activity and colon tumor cell growth by dual inhibition of PDE5 and 10. <b>2015</b> , 6, 27403-15		27
19	Cyclic AMP efflux inhibitors as potential therapeutic agents for leukemia. <b>2016</b> , 7, 33960-82		18
18	Design, Synthesis, Anti-Proliferative, Anti-microbial, Anti-Angiogenic Activity and Analysis of Novel Hydrazone Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 1658-1669	2.2	4
17	Penile rehabilitation after radical prostatectomy: does it work?. <i>Translational Andrology and Urology</i> , <b>2015</b> , 4, 110-23	2.3	24
16	Guanine-nucleotide Exchange Modulator, GIV/Girdin, Serves as a Tunable Valve for Growth Factor-Stimulated Cyclic AMP Signals.		0
15	Role of Mitochondria in Pancreatic Metabolism, Diabetes, and Cancer. <b>2019</b> , 71-94		
14	Elevated intracellular cAMP concentration mediates growth suppression in glioma cells.		
13	Novel Target Sites for Drug Screening: A Special Reference to Cancer, Rheumatoid Arthritis and Parkinson Disease. <i>Current Signal Transduction Therapy</i> , <b>2019</b> , 14, 107-121	0.8	
12	PDE3A inhibitor anagrelide activates death signaling pathway genes and synergizes with cell death-inducing cytokines to selectively inhibit cancer cell growth. <i>American Journal of Cancer Research</i> , <b>2019</b> , 9, 1905-1921	4.4	5

11	MiR-23b inhibits cell migration and invasion through targeting PDE7A in colon cancer cells. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2017</b> , 10, 9436-9443	1.4	3
10	Pyridazinone Derivatives Limit Osteosarcoma-Cells Growth In Vitro and In Vivo. <i>Cancers</i> , <b>2021</b> , 13,	6.6	
9	Multiple PDE3A modulators act as molecular glues promoting PDE3A-SLFN12 interaction and induce SLFN12 dephosphorylation and cell death.. <i>Cell Chemical Biology</i> , <b>2022</b> ,	8.2	2
8	Anti-inflammation and anti-cancer effects of Naringenin combination with Artemisinins in human lung cancer cells. <i>Gene Reports</i> , <b>2022</b> , 26, 101532	1.4	0
7	Therapeutic potential of phosphodiesterase inhibitors for cognitive amelioration in Alzheimer's disease.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 232, 114170	6.8	3
6	Sildenafil aggravates adriamycin-induced testicular toxicity in rats; a preliminary investigation.. <i>Drug and Chemical Toxicology</i> , <b>2021</b> , 1-7	2.3	
5	Repurposing PDE5 inhibitor tadalafil and sildenafil as anticancer agent against hepatocellular carcinoma via targeting key events of glucose metabolism and multidrug resistance. <i>Journal of Biochemical and Molecular Toxicology</i> ,	3.4	1
4	Long-Timescale Simulations Revealed Critical Non-Conserved Residues of Phosphodiesterases Affecting Selectivity of BAY60-7550. <b>2022</b> , 20, 5136-5149		0
3	Essential role of the mitochondrial Na <sup>+</sup> /Ca <sup>2+</sup> exchanger NCLX in mediating PDE2-dependent neuronal survival and learning. <b>2022</b> , 41, 111772		0
2	Low Expression of Phosphodiesterase 2 (PDE2A) Promotes the Progression by Regulating Mitochondrial Morphology and ATP Content and Predicts Poor Prognosis in Hepatocellular Carcinoma. <b>2023</b> , 12, 68		2
1	Immunomodulatory, apoptotic and anti-proliferative potentials of sildenafil in Ehrlich ascites carcinoma murine model: In vivo and in silico insights. <b>2023</b> , 119, 110135		0