

CITATION REPORT

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Capillary electrophoresis-based nanoscale assays for monitoring ecto-5 β -nucleotidase activity and inhibition in preparations of recombinant enzyme and melanoma cell membranes

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Analytical Biochemistry, 2008, 373, 129-40.

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#	Paper	IF	Citations
43	A highly sensitive CE-UV method with dynamic coating of silica-fused capillaries for monitoring of nucleotide pyrophosphatase/phosphodiesterase reactions. <i>Electrophoresis</i> , 2008 , 29, 3685-93	3.6	56
42	Selective nucleoside triphosphate diphosphohydrolase-2 (NTPDase2) inhibitors: nucleotide mimetics derived from uridine-5'carboxamide. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 4518-28	8.3	40
41	Chiral ligand-exchange CE assays for separation of amino acid enantiomers and determination of enzyme kinetic constant. <i>Electrophoresis</i> , 2009 , 30, 2266-72	3.6	32
40	Nucleoside-5'monophosphates as prodrugs of adenosine A2A receptor agonists activated by ecto-5'nucleotidase. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7669-77	8.3	56
39	High-affinity, non-nucleotide-derived competitive antagonists of platelet P2Y12 receptors. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 3784-93	8.3	79
38	Recent developments and applications of EMMA in enzymatic and derivatization reactions. <i>Electrophoresis</i> , 2010 , 31, 65-73	3.6	36
37	Advances in capillary electrophoretic enzyme assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 1076-90	3.5	84
36	Development of a microbioreactor with ecto-nucleoside triphosphate diphosphohydrolase 2 (NTPDase2) immobilized on a polyacrylamide-coated capillary at the outlet. <i>Journal of Chromatography A</i> , 2010 , 1217, 600-4	4.5	11
35	Development of potent and selective inhibitors of ecto-5'nucleotidase based on an anthraquinone scaffold. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 2076-86	8.3	72
34	Inhibitor screening of pharmacological chaperones for lysosomal β glucocerebrosidase by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 2843-53	4.4	17
33	High-sensitivity capillary electrophoresis method for monitoring purine nucleoside phosphorylase and adenosine deaminase reactions by a reversed electrode polarity switching mode. <i>Journal of Chromatography A</i> , 2011 , 1218, 4764-71	4.5	26
32	Studies on the adenosine deaminase-catalyzed conversion of adenosine and nucleoside prodrugs by different capillary electrophoresis modes. <i>Analytical Biochemistry</i> , 2011 , 414, 131-7	3.1	14
31	An enzyme immobilized microassay in capillary electrophoresis for characterization and inhibition studies of alkaline phosphatases. <i>Analytical Biochemistry</i> , 2011 , 414, 226-31	3.1	68
30	Identification of Small Molecule Sulfonic Acids as Ecto-5'Nucleotidase Inhibitors. <i>Medicinal Chemistry</i> , 2012 , 8, 1133-1139	1.8	1
29	Crystal structure of the human ecto-5'nucleotidase (CD73): insights into the regulation of purinergic signaling. <i>Structure</i> , 2012 , 20, 2161-73	5.2	119
28	A highly sensitive capillary electrophoresis method using p-nitrophenyl 5'thymidine monophosphate as a substrate for the monitoring of nucleotide pyrophosphatase/phosphodiesterase activities. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 911, 162-9	3.2	15
27	Virtual screening identifies novel sulfonamide inhibitors of ecto-5'nucleotidase. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 6576-81	8.3	37

26	Identification of sulfonic acids as efficient ecto-5'Nucleotidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013 , 70, 685-91	6.8	27
25	High quality drug screening by capillary electrophoresis: a review. <i>Analytica Chimica Acta</i> , 2013 , 773, 24-36	6.6	27
24	Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. <i>European Journal of Medicinal Chemistry</i> , 2013 , 66, 438-49	6.8	31
23	Bioanalysis for biocatalysis: multiplexed capillary electrophoresis-mass spectrometry assay for aminotransferase substrate discovery and specificity profiling. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13728-36	16.4	13
22	Enzymes involved in metabolism of extracellular nucleotides and nucleosides: functional implications and measurement of activities. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2014 , 49, 473-97	8.7	181
21	Large-volume sample stacking with polarity switching for monitoring of nucleotide pyrophosphatase/phosphodiesterase 1 (NPP1) reactions by capillary electrophoresis. <i>Electrophoresis</i> , 2014 , 35, 855-63	3.6	17
20	Abstracts from Purines 2014, an International Conference on Nucleotides, Nucleosides and Nucleobases, held in Bonn, Germany, from July 23-27, 2014. <i>Purinergic Signalling</i> , 2014 , 10, 657-854	3.8	4
19	A capillary electrophoresis-based enzyme assay for kinetics and inhibition studies of carbonic anhydrase. <i>Analytical Biochemistry</i> , 2014 , 444, 16-21	3.1	12
18	A new, sensitive ecto-5'Nucleotidase assay for compound screening. <i>Analytical Biochemistry</i> , 2014 , 446, 53-8	3.1	28
17	2-Hexylthio-ATP is an effective and selective NTPDase2 inhibitor. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 5919-34	8.3	6
16	Therapeutic potentials of ecto-nucleoside triphosphate diphosphohydrolase, ecto-nucleotide pyrophosphatase/phosphodiesterase, ecto-5'Nucleotidase, and alkaline phosphatase inhibitors. <i>Medicinal Research Reviews</i> , 2014 , 34, 703-43	14.4	73
15	A capillary electrophoresis method with dynamic pH junction stacking for the monitoring of cerebroside sulfotransferase. <i>Journal of Chromatography A</i> , 2015 , 1407, 222-7	4.5	4
14	2-Methylthio-ADP (AOPCP) Derivatives and Analogues: Development of Potent and Selective ecto-5'Nucleotidase (CD73) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 6248-63	8.3	78
13	Inhibitors for the bacterial ectonucleotidase Lp1NTPDase from <i>Legionella pneumophila</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 4363-4371	3.4	10
12	2-Alkoxy-3-(sulfonylarylamino)methylene)-chroman-4-ones as potent and selective inhibitors of ectonucleotidases. <i>European Journal of Medicinal Chemistry</i> , 2016 , 115, 484-94	6.8	19
11	A Robust Multiplex Mass Spectrometric Assay for Screening Small-Molecule Inhibitors of CD73 with Diverse Inhibition Modalities. <i>SLAS Discovery</i> , 2018 , 23, 264-273	3.4	8
10	Development of a selective and highly sensitive fluorescence assay for nucleoside triphosphate diphosphohydrolase1 (NTPDase1, CD39). <i>Analyst, The</i> , 2018 , 143, 5417-5430	5	8
9	Development of a fast CE method for high throughput screening of ecto-5'Nucleotidase inhibitors. <i>Electrophoresis</i> , 2018 , 39, 2612-2618	3.6	5

8	Be Aware of Aggregators in the Search for Potential Human -5'Nucleotidase Inhibitors. <i>Molecules</i> , 2018 , 23,	4.8	8
7	Structure-Activity Relationship of Purine and Pyrimidine Nucleotides as Ecto-5'Nucleotidase (CD73) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 3677-3695	8.3	33
6	Targeting Metabolism of Extracellular Nucleotides via Inhibition of Ectonucleotidases CD73 and CD39. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 13444-13465	8.3	21
5	Synthesis, Characterization, and Studies of Novel Spirooxindole Derivatives as Ecto-5'Nucleotidase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2397-2405	4.3	2
4	Host surface ectonucleotidase-CD73 and the opportunistic pathogen, , cross-modulation underlies a new homeostatic mechanism for chronic bacterial survival in human epithelial cells. <i>Virulence</i> , 2020 , 11, 414-429	4.7	6
3	Substrate binding modes of purine and pyrimidine nucleotides to human ecto-5'Nucleotidase (CD73) and inhibition by their bisphosphonic acid derivatives. <i>Purinergic Signalling</i> , 2021 , 1	3.8	0
2	Liquid Biopsy and Dielectrophoretic Analysis Complementary Methods in Skin Cancer Monitoring. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3366	2.6	
1	Targeting ecto-5'-nucleotidase: A comprehensive review into small molecule inhibitors and expression modulators. 2023 , 247, 115052		1