The ALK/ROS1 Inhibitor PF-06463922 Overcomes Prima ALK-Driven Neuroblastoma

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Citation Report

#	Article	IF	CITATIONS
1	Phosphoproteomics reveals ALK promote cell progress via RAS/JNK pathway in neuroblastoma. Oncotarget, 2016, 7, 75968-75980.	0.8	12
2	Epidermal growth factor receptor is overexpressed in neuroblastoma tissues and cells. Acta Biochimica Et Biophysica Sinica, 2016, 48, 762-767.	0.9	18
3	The ALK inhibitor PF-06463922 is effective as a single agent in neuroblastoma driven by expression of ALK and MYCN. DMM Disease Models and Mechanisms, 2016, 9, 941-52.	1.2	62
4	Discovery of Brigatinib (AP26113), a Phosphine Oxide-Containing, Potent, Orally Active Inhibitor of Anaplastic Lymphoma Kinase. Journal of Medicinal Chemistry, 2016, 59, 4948-4964.	2.9	277
5	Novel targeted therapy for treatment of relapsed and refractory neuroblastoma. Revue D'Oncologie Hématologie Pédiatrique, 2016, 4, 162-169.	0.1	0
6	Neuroblastoma. Nature Reviews Disease Primers, 2016, 2, 16078.	18.1	907
7	Second- and third-generation ALK inhibitors for non-small cell lung cancer. Journal of Hematology and Oncology, 2016, 9, 19.	6.9	116
8	Targeting ALK: The Ten Lives of a Tumor. Cancer Discovery, 2016, 6, 20-21.	7.7	5
9	ALK: a tyrosine kinase target for cancer therapy. Journal of Physical Education and Sports Management, 2017, 3, a001115.	0.5	131
10	Molecular Genetics of Neuroblastoma. , 2017, , 83-125.		0
11	<i>ALK</i> gene alterations in cancer: biological aspects and therapeutic implications. Pharmacogenomics, 2017, 18, 277-292.	0.6	8
12	Advances in emerging drugs for the treatment of neuroblastoma. Expert Opinion on Emerging Drugs, 2017, 22, 63-75.	1.0	36
13	Neuroblastoma treatment in the post-genomic era. Journal of Biomedical Science, 2017, 24, 14.	2.6	82
14	First macrocyclic 3 rd -generation ALK inhibitor for treatment of ALK/ROS1 cancer: Clinical and designing strategy update of lorlatinib. European Journal of Medicinal Chemistry, 2017, 134, 348-356.	2.6	79
15	The second-generation ALK inhibitor alectinib effectively induces apoptosis in human neuroblastoma cells and inhibits tumor growth in a TH-MYCN transgenic neuroblastoma mouse model. Cancer Letters, 2017, 400, 61-68.	3.2	37
16	Accelerating drug development for neuroblastoma - New Drug Development Strategy: an Innovative Therapies for Children with Cancer, European Network for Cancer Research in Children and Adolescents and International Society of Paediatric Oncology Europe Neuroblastoma project. Expert Opinion on Drug Discovery, 2017, 12, 1-11.	2.5	28
17	Emerging and investigational therapies for neuroblastoma. Expert Opinion on Orphan Drugs, 2017, 5, 355-368.	0.5	27
18	Nucleophosmin-anaplastic lymphoma kinase: the ultimate oncogene and therapeutic target. Blood, 2017, 129, 823-831.	0.6	76

#	Article	IF	CITATIONS
19	Dual <i>ALK</i> and <i>CDK4/6</i> Inhibition Demonstrates Synergy against Neuroblastoma. Clinical Cancer Research, 2017, 23, 2856-2868.	3.2	76
20	<i>ALK</i> Fusions in a Wide Variety of Tumor Types Respond to Anti-ALK Targeted Therapy. Oncologist, 2017, 22, 1444-1450.	1.9	81
21	Target and Agent Prioritization for the Children's Oncology Group—National Cancer Institute Pediatric MATCH Trial. Journal of the National Cancer Institute, 2017, 109, .	3.0	85
22	MEK inhibitor trametinib does not prevent the growth of anaplastic lymphoma kinase (ALK)–addicted neuroblastomas. Science Signaling, 2017, 10, .	1.6	41
23	Oral Metronomic Topotecan Sensitizes Crizotinib Antitumor Activity in ALK F1174L Drug-Resistant Neuroblastoma Preclinical Models. Translational Oncology, 2017, 10, 604-611.	1.7	12
24	Molecular mechanisms and therapeutic targets in neuroblastoma. Pharmacological Research, 2018, 131, 164-176.	3.1	53
25	Too many targets, not enough patients: rethinking neuroblastoma clinical trials. Nature Reviews Cancer, 2018, 18, 389-400.	12.8	67
26	Cell death-based treatment of neuroblastoma. Cell Death and Disease, 2018, 9, 113.	2.7	34
27	The ALK receptor in sympathetic neuron development and neuroblastoma. Cell and Tissue Research, 2018, 372, 325-337.	1.5	31
28	Met Receptor Tyrosine Kinase and Chemoprevention of Oral Cancer. Journal of the National Cancer Institute, 2018, 110, 250-257.	3.0	17
29	ALKALs are in vivo ligands for ALK family receptor tyrosine kinases in the neural crest and derived cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E630-E638.	3.3	68
30	Activated ALK signals through the ERK–ETV5–RET pathway to drive neuroblastoma oncogenesis. Oncogene, 2018, 37, 1417-1429.	2.6	45
31	Neuroblastoma: clinical and biological approach to risk stratification and treatment. Cell and Tissue Research, 2018, 372, 195-209.	1.5	184
32	Precision medicine in pediatric oncology. Molecular and Cellular Pediatrics, 2018, 5, 6.	1.0	37
33	Anaplastic Lymphoma Kinase (ALK) Receptor Tyrosine Kinase: A Catalytic Receptor with Many Faces. International Journal of Molecular Sciences, 2018, 19, 3448.	1.8	45
34	Entrectinib and other ALK/TRK inhibitors for the treatment of neuroblastoma. Drug Design, Development and Therapy, 2018, Volume 12, 3549-3561.	2.0	35
35	Integrated proximal proteomics reveals IRS2 as a determinant of cell survival in ALK-driven neuroblastoma. Science Signaling, 2018, 11, .	1.6	33
36	A mechanistic classification of clinical phenotypes in neuroblastoma. Science, 2018, 362, 1165-1170.	6.0	213

	CITATION	Report	
#	Article	IF	Citations
37	Molecularly Targeted Therapy for Neuroblastoma. Children, 2018, 5, 142.	0.6	28
38	Dual potent ALK and ROS1 inhibitors combating drug-resistant mutants: Synthesis and biological evaluation of aminopyridine-containing diarylaminopyrimidine derivatives. European Journal of Medicinal Chemistry, 2018, 158, 322-333.	2.6	16
39	Design, synthesis and biological evaluation N2-(2-alkyoxy-6-aliphatic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66 inhibitors. Bioorganic Chemistry, 2018, 81, 689-699.	67 Td (amino 2.0	pyridin-3-yl)-2 5
40	ALK in Neuroblastoma: Biological and Therapeutic Implications. Cancers, 2018, 10, 113.	1.7	105
41	Long-term progression-free survival in an advanced lung adenocarcinoma patient harboring EZR-ROS1 rearrangement: a case report. BMC Pulmonary Medicine, 2018, 18, 13.	0.8	5
42	Clinical response of the novel activating ALK-I1171T mutation in neuroblastoma to the ALK inhibitor ceritinib. Journal of Physical Education and Sports Management, 2018, 4, a002550.	0.5	47
43	Novel derivatives of anaplastic lymphoma kinase inhibitors: Synthesis, radiolabeling, and preliminary biological studies of fluoroethyl analogues of crizotinib, alectinib, and ceritinib. European Journal of Medicinal Chemistry, 2019, 182, 111571.	2.6	13
44	Thrown for a Loop: Awakening BORIS to Evade ALK Inhibition Therapy. Cancer Cell, 2019, 36, 345-347.	7.7	2
45	Myosin Heavy Chain 9: Oncogene or Tumor Suppressor Gene?. Medical Science Monitor, 2019, 25, 888-892.	0.5	34
46	Advanced Semiconductor Packaging Materials $\hat{a} \in \hat{~}$ Copper with Bamboo Structure. , 2019, , .		0
47	An exploration of solvent-front region high affinity moiety leading to novel potent ALK & ROS1 dual inhibitors with mutant-combating effects. Bioorganic and Medicinal Chemistry, 2019, 27, 115051.	1.4	8
48	ALK mutation dynamics and clonal evolution in a neuroblastoma model exhibiting two ALK mutations. Oncotarget, 2019, 10, 4937-4950.	0.8	5
49	Drug-resistance mechanisms of three mutations in anaplastic lymphoma kinase against two inhibitors based on MM/PBSA combined with interaction entropy. Physical Chemistry Chemical Physics, 2019, 21, 20951-20964.	1.3	9
50	Relevance of Detection of Mechanisms of Resistance to ALK Inhibitors in ALK-Rearranged NSCLC in Routine Practice. Clinical Lung Cancer, 2019, 20, 297-304.e1.	1.1	14
51	Duplication of ALK F1245 missense mutation due to acquired uniparental disomy associated with aggressive progression in a patient with relapsed neuroblastoma. Oncology Letters, 2019, 17, 3323-3329.	0.8	4
52	An antibody-drug conjugate directed to the ALK receptor demonstrates efficacy in preclinical models of neuroblastoma. Science Translational Medicine, 2019, 11, .	5.8	44
53	Current management of neuroblastoma and future direction. Critical Reviews in Oncology/Hematology, 2019, 138, 38-43.	2.0	60
54	Neuroblastoma Pathology and Classification for Precision Prognosis and Therapy Stratification. , 2019, , 1-22.		3

#	Article	IF	CITATIONS
55	Tyrosine kinase inhibitor acquired resistance mechanism alternates between EGFR and ALK in a lung adenocarcinoma patient. Thoracic Cancer, 2019, 10, 1252-1255.	0.8	6
56	Autophagy and Novel Therapeutic Strategies in Neuroblastoma. , 2019, , 95-112.		1
57	Novel Therapeutic Targets in Neuroblastoma. , 2019, , 231-261.		1
58	Current and Future Strategies for Treatment of Relapsed Neuroblastoma. , 2019, , 263-281.		1
59	Targeting anaplastic lymphoma kinase in neuroblastoma. Apmis, 2019, 127, 288-302.	0.9	53
60	Low Frequency ALK Hotspots Mutations In Neuroblastoma Tumours Detected By Ultra-deep Sequencing: Implications For ALK Inhibitor Treatment. Scientific Reports, 2019, 9, 2199.	1.6	14
61	Discovery of actionable genetic alterations with targeted panel sequencing in children with relapsed or refractory solid tumors. PLoS ONE, 2019, 14, e0224227.	1.1	6
62	Neuroblastoma in Adolescents and Children Older than 10 Years: Unusual Clinicopathologic and Biologic Features. Journal of Pediatric Hematology/Oncology, 2019, 41, 586-595.	0.3	4
63	Efficacy of Lorlatinib in Primary Crizotinib-Resistant Adult Neuroblastoma Harboring <i>ALK</i> Y1278S Mutation. JCO Precision Oncology, 2019, 3, 1-5.	1.5	5
64	Lorlatinib: First Global Approval. Drugs, 2019, 79, 93-98.	4.9	75
65	Discovery and Characterization of Recurrent, Targetable ALK Fusions in Leiomyosarcoma. Molecular Cancer Research, 2019, 17, 676-685.	1.5	30
67	Design, synthesis and biological evaluation of 2-arylaminopyrimidine derivatives bearing 1,3,8-triazaspiro[4,5]decan-4-one or piperidine-3-carboxamide moiety as novel Type-I1/2 ALK inhibitors. Bioorganic Chemistry, 2020, 94, 103456.	2.0	7
68	Targeting Vesicular LGALS3BP by an Antibody-Drug Conjugate as Novel Therapeutic Strategy for Neuroblastoma. Cancers, 2020, 12, 2989.	1.7	16
69	1-(4-((5-chloro-4-((2-(isopropylsulfonyl)phenyl)amino)pyrimidin-2-yl)amino)-3-methoxyphenyl)-3-(2-(dimethylami (ZX-42), a novel ALK inhibitor, induces apoptosis and protective autophagy in H2228 cells. Journal of Pharmacy and Pharmacology, 2020, 72, 1370-1382.	no)ethyl)iı 1.2	midazolidin-2- 2
70	Accelerating drug development for neuroblastoma: Summary of the Second Neuroblastoma Drug Development Strategy forum from Innovative Therapies for Children with Cancer and International Society of Paediatric Oncology Europe Neuroblastoma. European Journal of Cancer, 2020, 136, 52-68.	1.3	42
71	Mouse models of high-risk neuroblastoma. Cancer and Metastasis Reviews, 2020, 39, 261-274.	2.7	17
72	Kinome multigenic panel identified novel druggable EPHB4â€V871I somatic variant in highâ€risk neuroblastoma. Journal of Cellular and Molecular Medicine, 2020, 24, 6459-6471.	1.6	7
73	Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. Cancer Discovery, 2020, 10, 942-963.	7.7	157

#	Article	IF	CITATIONS
74	Landscape of drug-resistance mutations in kinase regulatory hotspots. Briefings in Bioinformatics, 2021, 22, .	3.2	15
75	Molecular targeting therapies for neuroblastoma: Progress and challenges. Medicinal Research Reviews, 2021, 41, 961-1021.	5.0	150
76	Resistance mechanisms to ALK TKIs in tumors other than lung cancer. , 2021, , 101-121.		0
77	Drug combinations: A strategy to enhance anti-tumor activity and overcome drug resistance to ALK inhibitors in neuroblastoma. , 2021, , 161-175.		0
78	ALK ligand ALKAL2 potentiates MYCNâ€driven neuroblastoma in the absence of <i>ALK</i> mutation. EMBO Journal, 2021, 40, e105784.	3.5	35
79	Crizotinib response in a neuroblastoma patient with a constitutional mosaic anaplastic lymphoma kinase I1170Nâ€activating mutation. Pediatric Blood and Cancer, 2021, 68, e28916.	0.8	1
80	Activity of Crizotinib in Patients with ALK-Aberrant Relapsed/Refractory Neuroblastoma: A Children's Oncology Group Study (ADVL0912). Clinical Cancer Research, 2021, 27, 3543-3548.	3.2	59
81	Computational studies of anaplastic lymphoma kinase mutations reveal common mechanisms of oncogenic activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2019132118.	3.3	3
82	Mesenchymal Epithelial Transition Factor Signaling in Pediatric Nervous System Tumors: Implications for Malignancy and Cancer Stem Cell Enrichment. Frontiers in Cell and Developmental Biology, 2021, 9, 654103.	1.8	5
83	Venetoclax-based Rational Combinations are Effective in Models of <i>MYCN</i> -amplified Neuroblastoma. Molecular Cancer Therapeutics, 2021, 20, 1400-1411.	1.9	10
84	Advances in pharmacotherapy for neuroblastoma. Expert Opinion on Pharmacotherapy, 2021, 22, 2383-2404.	0.9	6
85	Downregulation of PDGFRß Signaling Overcomes Crizotinib Resistance in a TYRO3 and ALK Mutated Neuroendocrine-Like Tumor. Translational Oncology, 2021, 14, 101099.	1.7	3
86	Pursuing Precision: Receptor Tyrosine Kinase Inhibitors for Treatment of Pediatric Solid Tumors. Cancers, 2021, 13, 3531.	1.7	9
87	Exceptional response to the ALK and ROS1 inhibitor lorlatinib and subsequent mechanism of resistance in relapsed <i>ALK</i> F1174L-mutated neuroblastoma. Journal of Physical Education and Sports Management, 2021, 7, a006064.	0.5	16
88	An update of new small-molecule anticancer drugs approved from 2015 to 2020. European Journal of Medicinal Chemistry, 2021, 220, 113473.	2.6	27
89	Therapeutic Targeting of the Anaplastic Lymphoma Kinase (ALK) in Neuroblastoma—A Comprehensive Update. Pharmaceutics, 2021, 13, 1427.	2.0	10
90	Second Paediatric Strategy Forum for anaplastic lymphoma kinase (ALK) inhibition in paediatric malignancies. European Journal of Cancer, 2021, 157, 198-213.	1.3	34
91	Management of ALK positive patients with tumors other than lung cancer. , 2021, , 71-86.		0

щ		15	CITATIONS
#	ARTICLE Fragment-based modification of 2,4-diarylaminopyrimidine derivatives as ALK and ROS1 dual inhibitors	IF	CITATIONS
92	to overcome secondary mutants. Bioorganic and Medicinal Chemistry, 2020, 28, 115719.	1.4	6
93	Identification of different <i>ALK</i> mutations in a pair of neuroblastoma cell lines established at diagnosis and relapse. Oncotarget, 2016, 7, 87301-87311.	0.8	20
94	TKI sensitivity patterns of novel kinase-domain mutations suggest therapeutic opportunities for patients with resistant ALK+ tumors. Oncotarget, 2016, 7, 23715-23729.	0.8	17
95	Targeting MYCN and ALK in resistant and relapsing neuroblastoma. , 2019, 2, 803-812.		5
96	A crowded, but still varied, space: brigatinib in anaplastic lymphoma kinase-rearranged non-small cell lung cancer. Translational Cancer Research, 2017, 6, S78-S82.	0.4	8
97	Molecular Sequence of Events and Signaling Pathways in Cerebral Metastases. Anticancer Research, 2018, 38, 1859-1877.	0.5	6
98	ALK Protein Expression Is Related to Neuroblastoma Aggressiveness But Is Not Independent Prognostic Factor. Cancer Research and Treatment, 2018, 50, 495-505.	1.3	12
99	Combined ALK and MDM2 inhibition increases antitumor activity and overcomes resistance in human ALK mutant neuroblastoma cell lines and xenograft models. ELife, 2017, 6, .	2.8	35
101	ALK and neuroblastoma: from molecular genetics to clinics. Russian Journal of Pediatric Hematology and Oncology, 2019, 6, 54-60.	0.1	1
102	High-Risk Neuroblastoma and Current Protocols. , 2020, , 213-235.		1
103	Biology of Neuroblastoma. , 2020, , 17-28.		0
104	Prognostic Factors and Risk Stratification. , 2020, , 271-292.		0
105	Evolving treatments in high-risk neuroblastoma. Expert Opinion on Orphan Drugs, 2020, 8, 497-506.	0.5	2
106	MiR-300 suppresses laryngeal squamous cell carcinoma proliferation and metastasis by targeting ROS1. American Journal of Translational Research (discontinued), 2016, 8, 3903-3911.	0.0	11
108	Targeting Oncogenic Transcriptional Networks in Neuroblastoma: From N-Myc to Epigenetic Drugs. International Journal of Molecular Sciences, 2021, 22, 12883.	1.8	9
109	Synthetic Heterocyclic Derivatives as Kinase Inhibitors Tested for the Treatment of Neuroblastoma. Molecules, 2021, 26, 7069.	1.7	4
110	ATR inhibition enables complete tumour regression in ALK-driven NB mouse models. Nature Communications, 2021, 12, 6813.	5.8	21
111	Ceritinib in paediatric patients with anaplastic lymphoma kinase-positive malignancies: an open-label, multicentre, phase 1, dose-escalation and dose-expansion study. Lancet Oncology, The, 2021, 22, 1764-1776.	5.1	37

#	Article	IF	CITATIONS
112	Mesenchymal-Type Neuroblastoma Cells Escape ALK Inhibitors. Cancer Research, 2022, 82, 484-496.	0.4	18
113	Anaplastic lymphoma kinase inhibitors and their effect on the kidney. CKJ: Clinical Kidney Journal, 2022, 15, 1475-1482.	1.4	5
114	GSK3 inhibition circumvents and overcomes acquired lorlatinib resistance in ALK-rearranged non-small-cell lung cancer. Npj Precision Oncology, 2022, 6, 16.	2.3	5
115	Recent advances in the developmental origin of neuroblastoma: an overview. Journal of Experimental and Clinical Cancer Research, 2022, 41, 92.	3.5	46
116	Neuroblastoma Heterogeneity, Plasticity, and Emerging Therapies. Current Oncology Reports, 2022, 24, 1053-1062.	1.8	27
117	Resistance Profile and Structural Modeling of Next-Generation ROS1 Tyrosine Kinase Inhibitors. Molecular Cancer Therapeutics, 2022, 21, 336-346.	1.9	20
118	Novel TENM3–ALK fusion is an alternate mechanism for ALK activation in neuroblastoma. Oncogene, 2022, 41, 2789-2797.	2.6	3
119	Comprehensive Assessment of Anaplastic Lymphoma Kinase in Localized and Metastatic Prostate Cancer Reveals Targetable Alterations. Cancer Research Communications, 2022, 2, 277-285.	0.7	4
121	Advancing therapy for neuroblastoma. Nature Reviews Clinical Oncology, 2022, 19, 515-533.	12.5	97
122	Serial Profiling of Circulating Tumor DNA Identifies Dynamic Evolution of Clinically Actionable Genomic Alterations in High-Risk Neuroblastoma. Cancer Discovery, 2022, 12, 2800-2819.	7.7	16
123	Immune checkpoint inhibitors combined with tyrosine kinase inhibitors is the treatment option of previously treated advanced non-small cell lung cancer harboring EGFR or ALK genetic aberration. Translational Lung Cancer Research, 2022, 11, 2164-2166.	1.3	1
125	Combination Therapies Targeting ALK-aberrant Neuroblastoma in Preclinical Models. Clinical Cancer Research, 2023, 29, 1317-1331.	3.2	11
126	Promising Molecular Targets and Novel Therapeutic Approaches in Neuroblastoma. Current Pharmacology Reports, 0, , .	1.5	0
127	Patient-derived models: Advanced tools for precision medicine in neuroblastoma. Frontiers in Oncology, 0, 12, .	1.3	5
128	Lorlatinib with or without chemotherapy in ALK-driven refractory/relapsed neuroblastoma: phase 1 trial results. Nature Medicine, 2023, 29, 1092-1102.	15.2	26
129	Drugging Hijacked Kinase Pathways in Pediatric Oncology: Opportunities and Current Scenario. Pharmaceutics, 2023, 15, 664.	2.0	2
130	Therapy resistance in neuroblastoma: Mechanisms and reversal strategies. Frontiers in Pharmacology, 0, 14, .	1.6	4
131	Genomics-Driven Precision Medicine in Pediatric Solid Tumors. Cancers, 2023, 15, 1418.	1.7	0

#	Article	IF	CITATIONS
143	Update in Solid Tumors of Childhood. , 2023, , 629-662.		0
144	Stem Cell Therapy for High-Risk Neuroblastoma: Stem Cell Transplantation and Targeting Cancer Stem Cells. , 2024, , .		0