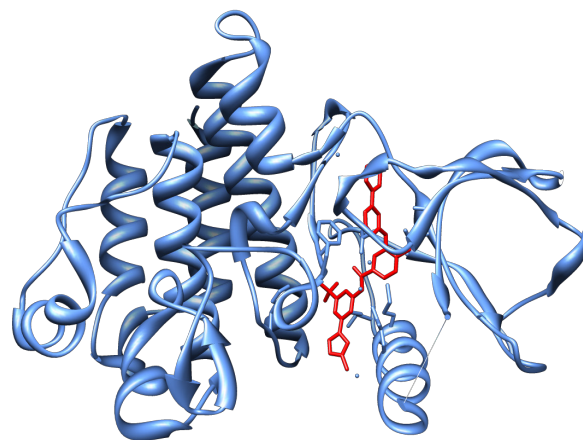


# Nibs: Protein Kinase Inhibitors

Protein kinases are one of the most important categories of targets in oncology and drug discovery in today's research because of their key roles in the pathogenesis of many illnesses due to mutations, overexpression, and dysregulation of these enzymes. Over the past 20 years, tremendous progress has been made in developing drugs against protein kinase family of enzymes. So far, the U.S. FDA has approved >52 Protein kinase inhibitors as drugs. Of the 52 approved drugs, 43 have suffix "nib" in their names. The suffix "nib" indicates a small-molecule inhibitor ("nib" is verbal shorthand for "inhibit") of kinase enzymes. More specifically, "tinib" is used for tyrosine kinase inhibitors, "anib" for angiogenesis inhibitors, and "rafenib" for rapidly accelerated fibrosarcoma (RAF) kinase inhibitors. BioVision offers >120 structurally diverse "nibs" for research. Many of these nibs are also available as "ready-to-use" "EZSolution" formats.



Product Name	Cat. No.	Size	CAS. No.	Known Targets
Acalabrutinib	B1193	5 mg, 25 mg	1420477-60-6	Bruton's tyrosine kinase (BTK)
Afatinib (BIBW2992)	1616	1 mg, 5 mg	439081-18-2	EGFR, ErbB2, ErbB4
Afuresertib hydrochloride	B1848	5 mg, 25 mg	1047645-82-8	AKT
Alectinib (CH5424802)	2867	5 mg, 25 mg	1256580-46-7	ALK and RET
Allitinib	B3002	1mg, 5mg	897383-62-9	ErbB2 and EGFR
Alofanib	B3009	5mg, 25mg	1612888-66-0	FGFR2
Alpelisib	B1271	5 mg, 25 mg	1217486-61-7	PI3-K
Altiratinib	9563	5 mg, 25 mg	1345847-93-9	MET, TIE2, VEGFR2 and TRK
Amuvatinib	9458	5 mg, 25 mg	850879-09-3	c-MET, c-RET and the mutant forms of c-KIT, PDGFR & FLT3
Anlotinib, Free base	B2156	5 mg, 25 mg	1058156-90-3	VEGFR, FGFR, PDGFR
Apatinib Mesylate	B1608	5 mg, 25 mg	1218779-75-9	VEGFR2
Apatinib, Free base	B1613	5 mg, 25 mg	811803-05-1	VEGFR2
Avapritinib	B2999	1mg, 5mg	1703793-34-3	oncogenic KIT and PDGFRA mutations
Avitinib	B2995	5mg, 25mg	1557267-42-1	EGFR
Axitinib (AG-013736)	1581	5 mg, 25 mg	319460-85-0	VEGFR1/2/3, PDGFR $\beta$
Baricitinib	2842	10 mg, 50 mg	1187594-09-7	JAK1/2
EZSolution™ Baricitinib	B2480	5 mg	1187594-09-7	JAK1/2
Baricitinib phosphate	2841	10 mg, 50 mg	1187595-84-1	JAK1/2
Belizatinib (TSR-011)	B2028	5 mg, 25 mg	1357920-84-3	ALK, TRKA, TRKB, and TRKC
Binimetinib (MEK-162)	2254	5 mg, 25 mg	606143-89-9	MEK1/2
Bosutinib (SKI-606)	1584	5 mg, 25 mg	380843-75-4	BCR-Abl, Src, Lyn, Hck
Branebrutinib	B2998	1mg, 5mg	1912445-55-6	Bruton's tyrosine kinase (BTK)

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)



Product Name	Cat. No.	Size	CAS. No.	Known Targets
Brigatinib (AP26113)	9675	5 mg, 25 mg	1197953-54-0	ALK, ROS1, IGF-1R, Flt3, EGFR
Brigatinib Analog	B2025	5 mg, 25 mg	1197958-12-5	ALK
Brivanib	B1325	1 mg, 5 mg	649735-46-6	VEGFR and FGFR
Brivanib Alaninate	B1326	1 mg, 5 mg	649735-63-7	VEGFR and FGFR
Canertinib dihydrochloride(CI-1033, PD-183805)	1617	5 mg, 25 mg	289499-45-2	EGFR and ErbB2
Capmatinib	B3005	5mg, 25mg	1029712-80-8	c-MET kinase
Carbozantinib	1935	5 mg, 25 mg	849217-68-1	RET, Met, VEGFR1/2/3, Kit, TrkB, Flt3, Axl, Tie2, ROS1
Cediranib (AZD2171)	1613	1 mg, 5 mg	288383-20-0	VEGFR and c-Kit
Ceritinib (LDK-378)	B1928	5 mg, 25 mg	1032900-25-6	ALK, IGF-1R, InsR, ROS1
Cobimetinib	B1689	5 mg, 25 mg	934660-93-2	MEK1/2
EZSolution™ Cobimetinib	B2489	5 mg	934660-93-2	MEK1/2
Crenolanib	9679	5 mg, 25 mg	670220-88-9	FLT3
EZSolution™ Creolanib	B2626	5 mg	670220-88-9	FLT3
Crizotinib	1934	5 mg, 25 mg	877399-52-5	ALK, c-Met (HGFR), ROS1, MST1R
Dabrafenib mesylate (GSK-2118436 mesylate)	2800	5 mg, 25 mg	1195768-06-9	B-Raf
Dacomitinib (PF299804)	2678	5 mg, 25 mg	1110813-31-4	EGFR/ErbB2/ErbB4
EZSolution™ Dasatinib	2029	25 mg	302962-49-8	BCR-Abl, EGFR, Src, Lck, Yes, Fyn, Kit, EphA2, PDGFRβ
Dasatinib (BMS-354825, Spryel)	1586	25 mg, 100 mg	302962-49-8	BCR-Abl, EGFR, Src, Lck, Yes, Fyn, Kit, EphA2, PDGFRβ
Derazantinib	B2222	1 mg, 5 mg	1234356-69-4	FGFR
Desmethyl Erlotinib (OSI-420)	B2201	1 mg, 5 mg	183320-51-6	EGFR
Dovintinib Lactate	B1615	5 mg, 25 mg	915769-50-5	FLT3/c-Kit, FGFR1/3, VEGFR1-4)
Dovitinib	B1614	5 mg, 25 mg	405169-16-6	FLT3/c-Kit, FGFR1/3, VEGFR1-4)
Dubermatinib (TP-0903)	9590	5 mg, 25 mg	1341200-45-0	AXL
Encorafeinb	B2103	5 mg, 25 mg	1269440-17-6	B-RafV600E/K
Ensartinib	B1946	5 mg, 25 mg	1365267-27-1	ALK
Entrectinib	B1324	5 mg, 25 mg	1108743-60-7	ROS1+ NSCLC; solid tumors with NTRK fusion proteins
Erdaftinib	B2458	5 mg, 25 mg	1346242-81-6	FGFR1/2/3/4
Erdaftinib	B2458	5 mg, 25 mg	1346242-81-6	FGFR1/2/3/4
Erlotinib hydrochloride	1588	100 mg, 1 g	183319-69-9	EGFR
Erlotinib, Free base	2048	100 mg, 1 g	183321-74-6	EGFR
Evobrutinib	B2379	5 mg, 25 mg	1415823-73-2	Bruton's tyrosine kinase (BTK)
Fedratinib (TG101348)	2314	1 mg, 5 mg	936091-26-8	JAK2
EZSolution™ Fedratinib (TG101348)	B2487	5 mg	936091-26-8	JAK2
Fenebrutinib (GDC-0853)	B2074	5 mg, 25 mg	1434048-34-6	Bruton's tyrosine kinase (BTK)
Foretinib	9476	5 mg, 25 mg	849217-64-7	c-Met and VEGFR2
Fostamatinib disodium	1936	1 mg, 5 mg	1025687-58-4	Syk, Spleen tyrosine kinase
Fruquintinib	B1979	5 mg, 25 mg	1194506-26-7	VEGFR1/2/3

Product Name	Cat. No.	Size	CAS. No.	Known Targets
Gefitinib	1589	5 mg, 25 mg	184475-35-2	EGFR
EZSolution™ Gefitinib	2030	5 mg	184475-35-2	EGFR
Gilteritinib	B1294	5 mg, 25 mg	1254053-43-4	FLT3
Glumetinib	B2561	5 mg, 25 mg	1642581-63-2	c-Met
Golvatinib	2655	5 mg, 25 mg	928037-13-2	c-Met and VEGFR2
Ibrutinib (PCI-32675)	2298	5 mg, 25 mg	936563-96-1	Bruton's tyrosine kinase (BTK)
Icotinib	B3003	5mg, 25mg	610798-31-7	EGFR
Idealisib (CAL-101)	2613	5 mg, 25 mg	870281-82-6	PI3K catalytic subunit p110δ
Imatinib Mesylate (CGP-57148B, STI-571)	1625	100 mg, 1 g	220127-57-1	BCR-Abl, Kit, PDGFR
Imatinib, Free base	2141	100 mg, 1 g	152459-95-5	BCR-Abl, Kit, PDGFR
Lapatinib Ditosylate	1624	25 mg, 100 mg	388082-78-8	EGFR, ErbB2
EZSolution™ Lapatinib Ditosylate	2807	10 mg	388082-78-8	EGFR, ErbB2
Lapatinib, Free base	2138	25 mg, 100 mg	231277-92-2	EGFR, ErbB2
Larotrectinib (LOXO-101)	B2291	5 mg, 25 mg	1223403-58-4	TRKA/B/C
Larotrectinib (Sulfate) (LOXO-101 sulfate)	B2545	5 mg, 25 mg	1223405-08-0	TRKA/B/C
Lazertinib	B2348	5 mg, 25 mg	1903008-80-9	EGFR
Lenvatinib	B1157	5 mg, 25 mg	417716-92-8	VEGFRs, FGFRs, PDGFR, Kit, RET
Lestaurtinib	1805	500 µg, 1 mg	111358-88-4	FLT3, JAK2, and TrkA
Linifanib (ABT-869)	1615	1 mg, 5 mg	796967-16-3	VEGFR and PDGFR
Linsitinib, Free base	2294	5 mg, 25 mg	867160-71-2	IGF-1R and InsR
Lorlatinib (PF0643922)	B1169	10 mg, 50 mg	1454846-35-5	ALK
Masitinib	2007	5 mg, 25 mg	790299-79-5	c-KIT, PDGF and FGFR
Merestinib	B3007	1mg, 5mg	1206799-15-6	MET
Motesanib	2022	5 mg, 25 mg	453562-69-1	VEGFR1/2/3 and PDGFR
Motesanib diphosphate	B2196	5 mg, 25 mg	857876-30-3	VEGFR1/2/3 and PDGFR
Mubritinib (TAK-165)	1961	1 mg, 5 mg	1086062-66-9	PI3-K
Naquotinib	B1317	5 mg, 25 mg	448232-80-1	EGFR T790M
Nazartinib	B2288	5 mg, 25 mg	1508250-71-2	EGFR T790M
Neratinib	2023	5 mg, 25 mg	698387-09-6	ErbB2/HER2
Nilotinib	1750	25 mg, 100 mg	641571-10-0	BCR-Abl, PDGFR, DDR1
Nintedanib (BIBF1120)	2167	5 mg, 25 mg	656247-17-5	FGFR1/2/3, PDGFRα/β, VEGFR1/2/3, Flt3
Olmutinib	B1218	5 mg, 25 mg	1353550-13-6	EGFR T790M
Osimertinib (AZD-9291)	2674	5 mg, 25 mg	1421373-65-0	EGFR T790M
EZSolution™ Osimertinib (AZD-9291)	B2490	5 mg	1421373-65-0	EGFR T790M
Osimertinib (Mesylate) (AZD-9291 Mesylate)	B1899	5 mg	1421373-66-1	EGFR T790M
Pacritinib (SB1518)	2450	1 mg, 5 mg	937272-79-2	EGFR T790M
EZSolution™ Pacritinib (SB1518)	B2485	1 mg	937272-79-2	EGFR T790M
Pazopanib (GW-786034)	1916	5 mg, 25 mg	444731-52-6	VEGFR1/2/3, PDGFRα/β, FGFR1/3, Kit, Lck, Fms, Itk
Pelitinib (EKB-569)	2676	5 mg, 25 mg	257933-82-7	EGFR

Product Name	Cat. No.	Size	CAS. No.	Known Targets
Pexidartinib (PLX-3397)	9617	10 mg, 50 mg	1029044-16-3	CSFR1/Kit
Pexmetinib	B1711	5 mg, 25 mg	945614-12-0	MAPK and Tie2/Tek
Ponatinib	2712	50 mg, 10 mg	943319-70-8	BCR-Abl, BCR-Abl T315I, VEGFR, PDGFR, FGFR, EphR, Src family kinases, Kit, RET, Tie2, Flt3
Pozotinib	9519	10 mg, 50 mg	1092364-38-9	HER1, HER2, and HER4
Quizartinib	2008	1 mg, 5 mg	950769-58-1	FLT3
Regorafenib	2891	5 mg, 25 mg	755037-03-7	VEGFR1/2/3, BCR-Abl, B-Raf, B-Raf(V600E), Kit, PDGFR $\alpha/\beta$ , RET, FGFR1/2, Tie2, Eph2A
Regorafenib monohydrate	B1621	5 mg, 25 mg	1019206-88-2	VEGFR1/2/3, BCR-Abl, B-Raf, B-Raf(V600E), Kit, PDGFR $\alpha/\beta$ , RET, FGFR1/2, Tie2, Eph2A
Repotrectinib (TPX-0005)	B2027	5 mg, 25 mg	2058227-19-1	ALK
Roblitinib	B3008	1mg, 5mg	1708971-55-4	FGFR4
Rociletinib (CO-1686)	2794	5 mg, 25 mg	1374640-70-6	EGFRL858R/T790M
EZSolution™ Ruxolitinib	B2477	5 mg	941678-49-5	JAK1/2
Ruxolitinib Phosphate	B2631	5 mg, 25 mg	1092939-17-7	JAK1/2
Ruxolitinib, Free base	2139	5 mg, 25 mg	941678-49-5	JAK1/2
Sapitinib (AZD-8931)	9659	5 mg, 25 mg	848942-61-0	EGFR (ErbB-1), Neu (ErbB-2) and ErbB-3
EZSolution™ Saracatinib	B2625	5 mg	379231-04-6	c-Src and Bcr-ABL
Saracatinib (AZD-0530)	1582	5 mg, 25 mg	379231-04-6	c-Src and Bcr-ABL
Savolitinib	B3006	1mg, 5mg	1313725-88-0	c-MET
Selpercatinib	B2996	1mg, 5mg	2152628-33-4	RET Kinase
Semaxanib	9491	5 mg	204005-46-9	VEGFR2
EZSolution™ Semaxanib	9492	5 mg	204005-46-9	VEGFR2
Sitravatinib	B2539	5 mg, 25 mg	1123837-84-2	Axl, MER, VEGFR3, VEGFR2, VEGFR1, KIT, FLT3, DDR2, DDR1, TRKA, TRKB
Sorafenib (BAY 43-9006), Free base	2142	25 mg, 100 mg	284461-73-0	B/C-Raf, B-Raf (V600E), Kit, Flt3, RET, VEGFR1/2/3, PDGFR $\beta$
Sorafenib Tosylate	1594	25 mg, 100 mg	475207-59-1	B/C-Raf, B-Raf (V600E), Kit, Flt3, RET, VEGFR1/2/3, PDGFR $\beta$
EZSolution™ Sorafenib(Tosylate)	2031	25 mg	475207-59-1	B/C-Raf, B-Raf (V600E), Kit, Flt3, RET, VEGFR1/2/3, PDGFR $\beta$
EZSolution™ Sunitinib Malate	1804	25 mg	341031-54-7	PDGFR $\alpha/\beta$ , VEGFR1/2/3, Kit, Flt3, CSF-1R, RET
Sunitinib, Free base	2097	25 mg, 100 mg, 1 g	557795-19-4	PDGFR $\alpha/\beta$ , VEGFR1/2/3, Kit, Flt3, CSF-1R, RET
Sunitinib, Malate (Sutent)	1611	25 mg, 100 mg	341031-54-7	PDGFR $\alpha/\beta$ , VEGFR1/2/3, Kit, Flt3, CSF-1R, RET
Tandutinib	2024	5 mg, 25 mg	387867-13-2	FLT kinase, PDGFR $\beta$ and c-Kit
EZSolution™ Tandutinib	B2627	5 mg	387867-13-2	FLT kinase, PDGFR $\beta$ and c-Kit

Product Name	Cat. No.	Size	CAS. No.	Known Targets
Telatinib	B2054	5 mg, 25 mg	332012-40-5	VEGFR2, VEGFR3, PDGF $\alpha$ , and c-Kit
Theliatinib	B3004	1mg, 5mg	1353644-70-8	EGFR
Tirabrutinib hydrochloride	B2556	5 mg, 25 mg	1439901-97-9	Bruton's Tyrosine Kinase (BTK)
Tivantinib	B1546	5 mg, 25 mg	905854-02-6	c-Met
Tivozanib	B1545	5 mg, 25 mg	475108-18-0	VEGFR-1, VEGFR-2, and VEGFR-3
Toceranib	B1542	5 mg, 25 mg	356068-94-5	VEGFR, FGFR, PDGFR, and Kit
Tofacitinib (CP-690550)	1622	5 mg, 25 mg	477600-75-2	JAK1/3
EZSolution™ Tofacitinib (CP-690550)	B2478	5 mg	477600-75-2	JAK1/3
Tofacitinib (CP-690550) citrate	9428	5 mg, 25 mg	540737-29-9	JAK1/3
Trametinib (GSK-1120212)	1960	1 mg, 5 mg	871700-17-3	MEK1/2
Tucatinib	B3025	5 mg, 25 mg	937263-43-9	ErbB2 (HER2)
EZSolution™ Upadacitinib	B2486	5 mg	1310726-60-3	JAK1
Upadacitinib (ABT-494)	B1947	5 mg, 25 mg	1310726-60-3	JAK1
Vandetanib	1751	25 mg, 100 mg	443913-73-3	EGFRs, VEGFRs, RET, Brk, Tie2, EphRs, Src family kinases
Varlitinib	2656	5 mg, 25 mg	845272-21-1	EGFR (ErbB-1) and Her-2/neu (ErbB-2)
Vatalanib, dihydrochloride	2025	5 mg, 25 mg	212141-51-0	VEGFR1/2
Vatalanib, Free base	2026	5 mg, 25 mg	212141-54-3	VEGFR1/2
Vemurafenib (PLX-4032)	2235	5 mg, 25 mg	1029872-54-5, 918504-65-1	A/B/C-Raf, B-Raf (V600E), SRMS, ACK1, MAP4K5, FGR
Zanubrutinib	B2512	1 mg, 5 mg	1691249-45-2	Bruton's tyrosine kinase (BTK)

Please visit [www.BioVision.com](http://www.BioVision.com) for a comprehensive overview on Antiviral Agents!