

Kinase Inhibitors

The signal transduction pathways responsible for virtually every cell function in the body are built on a network of kinases. Because kinases are so acutely involved in the regulation of biological processes, the field of drug discovery endeavors to validate novel kinase targets for therapeutic intervention as well as to develop and improve target selectivity of modulatory small molecules. Use the signal transduction cascades inside this brochure to explore Cayman's broad selection of inhibitors targeting specific nodes of the major kinase signaling pathways.



Kinase Signaling Pathways Diagram Inside!



Abl Family & Bcr-Abl

| Item No. | Product Name |
|----------|---------------------|
| 12030 | Bosutinib |
| 11498 | Dasatinib |
| 13139 | Imatinib (mesylate) |
| 10010422 | Nilotinib |
| 11494 | Ponatinib |

ALK (Anaplastic Lymphoma Kinase)

| Item No. | Product Name |
|----------|--------------|
| 19778 | AP26113 |
| 19374 | Ceritinib |
| 18516 | CH5424802 |
| 18371 | PF-06463922 |
| 17670 | TAE684 |

Aurora

| Item No. | Product Name |
|----------|------------------------|
| 19176 | AMG 900 |
| 13602 | MLN8237 |
| 15015 | PF-03814735 |
| 10735 | Phthalazonone pyrazole |
| 13601 | ZM 447439 |

CDKs

| Item No. | Product Name |
|----------|------------------------------|
| 14707 | Dinaciclib |
| 10009197 | Flavopiridol (hydrochloride) |
| 16273 | PD 0322991 (hydrochloride) |
| 15149 | Ro 3306 |
| 28459 | Senexin B |

Chk1/2

| Item No. | Product Name |
|----------|---------------------------|
| 11491 | AZD 7762 |
| 19178 | CCT241533 (hydrochloride) |
| 20351 | LY2603618 |
| 21490 | LY2606368 |
| 17859 | PF-477736 |

c-Met

| Item No. | Product Name |
|----------|----------------|
| 12087 | (R)-Crizotinib |
| 22143 | Golitinib |
| 20056 | INCB 28060 |
| 14861 | SU11274 |
| 17135 | Tivantinib |

CSF1R/Fms

| Item No. | Product Name |
|----------|--------------|
| 19626 | BLZ-945 |
| 33347 | Edicotinib |
| 22258 | Ki20227 |
| 18271 | Pexidartinib |
| 28927 | PLX5622 |

DNA-PK

| Item No. | Product Name |
|----------|--------------|
| 19420 | CC-115 |
| 15344 | Ku-0060648 |
| 13308 | NU 7026 |
| 14881 | NU 7441 |
| 10009209 | PI-103 |

EGFR/ErbB/HER Family

| Item No. | Product Name |
|----------|--------------|
| 11492 | Afatinib |
| 16237 | AZD 9291 |
| 10483 | Erlotinib |
| 13166 | Gefitinib |
| 11493 | Lapatinib |

ERK

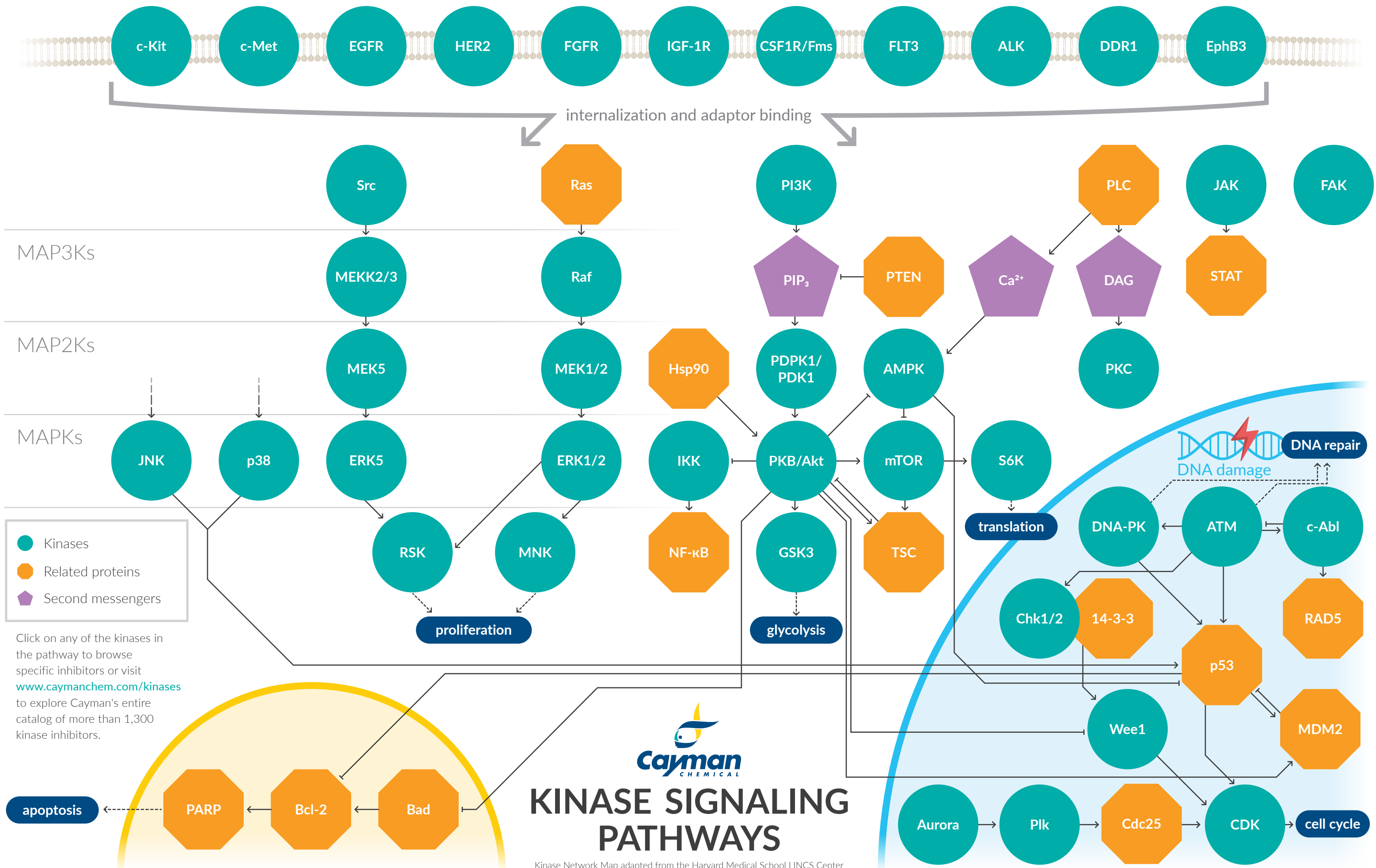
| Item No. | Product Name |
|----------|-----------------------------|
| 15544 | FR180204 |
| 21107 | GDC-0994 |
| 19166 | SCH 772984 |
| 18298 | Ulixertinib (hydrochloride) |
| 19173 | XMD8-92 |

FGFR Family

| Item No. | Product Name |
|----------|--------------|
| 13111 | AZD 4547 |
| 19157 | BGJ398 |
| 21813 | JNJ-42756493 |
| 13032 | PD 173074 |
| 21136 | TAS 120 |

FLT3

| Item No. | Product Name |
|----------|--------------------|
| 21193 | FLT3 Inhibitor III |
| 21503 | Gilteritinib |
| 16709 | Pacritinib |
| 17986 | Quizartinib |
| 16613 | UNC2025 |



Click on any of the kinases in the pathway to browse specific inhibitors or visit www.caymanchem.com/kinases to explore Cayman's entire catalog of more than 1,300 kinase inhibitors.



KINASE SIGNALING PATHWAYS

Kinase Network Map adapted from the Harvard Medical School LINCS Center

GSK3

| Item No. | Product Name |
|----------|------------------|
| 16733 | 1-Azakenpaullone |
| 13123 | BIO |
| 13122 | CHIR99021 |
| 10010246 | SB-216763 |
| 10011251 | TWS119 |

JAK Family

| Item No. | Product Name |
|----------|--------------|
| 16707 | Baricitinib |
| 11598 | CP 690,550 |
| 17669 | Filgotinib |
| 12094 | Lestaurtinib |
| 11609 | Ruxolitinib |

mTOR

| Item No. | Product Name |
|----------|--------------|
| 16978 | AZD 8055 |
| 13643 | PP242 |
| 13346 | Rapamycin |
| 10997 | Torin 1 |
| 14185 | Torin 2 |

p38 MAPK

| Item No. | Product Name |
|----------|--------------|
| 10460 | Doramapimod |
| 10006727 | PD 169316 |
| 10010399 | SB 202190 |
| 13067 | SB 203580 |
| 18075 | VX-745 |

PDPK1/PDK1

| Item No. | Product Name |
|----------|--------------|
| 14932 | BX-795 |
| 14708 | BX-912 |
| 18095 | GSK2334470 |
| 10011011 | KT 5720 |
| 18130 | UCN-01 |

PKC

| Item No. | Product Name |
|----------|--------------------------|
| 15383 | Calphostin C |
| 13310 | Gö 6976 |
| 13311 | Gö 6983 |
| 13964 | LY333531 (hydrochloride) |
| 81590 | Staurosporine |

IGF-1R

| Item No. | Product Name |
|----------|----------------------------|
| 14833 | AG-1024 |
| 17505 | BMS 754807 |
| 17708 | Linsitinib |
| 13641 | NVP-AEW541 (hydrochloride) |
| 17329 | Picropodophyllotoxin |

JNK

| Item No. | Product Name |
|----------|--------------------|
| 21482 | Bentamapimod |
| 17542 | JNK Inhibitor V |
| 15946 | JNK Inhibitor VIII |
| 18096 | JNK Inhibitor XVI |
| 10010466 | SP 600125 |

IKKs

| Item No. | Product Name |
|----------|----------------------------|
| 16667 | BMS 345541 (hydrochloride) |
| 13313 | IKK-16 (hydrochloride) |
| 17276 | IKK2 Inhibitor VI |
| 17290 | IMD 0354 |
| 15115 | TPCA-1 |

MEK

| Item No. | Product Name |
|----------|--------------|
| 11599 | AZD 6244 |
| 16999 | BIX02189 |
| 13034 | PD 0325901 |
| 16292 | Trametinib |
| 70970 | U-0126 |

Simplify Screening and Hit-Seeking

Kinase Screening Library (96-Well)

Item No. 10505

- Consists of two plates with ~160 selective and non-selective kinase inhibitors
- Includes inhibitors of lipid, receptor and non-receptor tyrosine, serine/threonine, and dual specificity kinases
- Targets include the ROCK, ALK, GSK3, PKC, PDGFR, VEGFR, Src, MAPK, CDK, and PI3K families, among many others

Comprehensive Kinase Screening Library

Item No. 28940

- Contains more than 850 kinase inhibitors, providing greater coverage of individual kinases, kinase isoforms and mutants, and kinase families



PI3K

| Item No. | Product Name |
|----------|--------------|
| 16986 | BYL719 |
| 15279 | CAL-101 |
| 70920 | LY294002 |
| 32877 | TGR-1202 |
| 10010591 | Wortmannin |

PKB/Akt

| Item No. | Product Name |
|----------|--------------------|
| 16499 | A-443654 |
| 14870 | Akt Inhibitor VIII |
| 15406 | AZD 5363 |
| 18412 | GDC-0068 |
| 10010236 | ML-9 |

PIKs

| Item No. | Product Name |
|----------|------------------------|
| 17385 | BI-2536 |
| 18193 | BI-6727 |
| 18099 | GSK461364 |
| 15553 | ON-01910 (sodium salt) |
| 17701 | TAK-960 |

Src

| Item No. | Product Name |
|----------|---------------------|
| 21089 | CGP 77675 (hydrate) |
| 14244 | PP1 (Src Inhibitor) |
| 13198 | PP2 |
| 11497 | Saracatinib |
| 13338 | SU6656 |

Kinase Resource Center

www.caymanchem.com/kinases

Browse more than 1,300 kinase inhibitors

Find tools and resources for inhibitor selection

