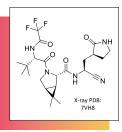
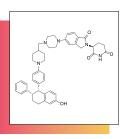
2021 Small Molecules of the Year

drughunter.com



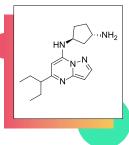
Pfizer CoV-2 M^{Pro} Inhibitor

oral pan-coronavirus antiviral, rev. covalent Ph. III candidate for COVID-19 (300 mg BID) from SARS-CoV-1 inhibitor (WO2005113580) paxlovid (PF-07321332) Pfizer Worldwide Research



Arvinas ER Chimeric Degrader

CRBN-based heterobifunctional ER degrader oral Ph. II candidate for ER+/HER2- BC from ER ligand and CRBN ligand ARV-471 Arvinas, New Haven, CT



Kronos CDK9 Inhibitor

selective CDK9 inhibitor oral Ph. I candidate for MYC-amp tumors from microarray binding assay with lysate KB-0742 Kronos Bio, Cambridge, MA

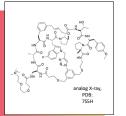
Mirati KRAS^{G12D} Inhibitor

preclinical efficacy in cancer model from SBDD around KRASG12C inhibitor

Mirati Therapeutics, San Diego, CA

reversible KRASG12D inhibitor

MRTX1133



Merck PCSK9 Inhibitors

macrocyclic PCSK9/LDLR PPI inhibitor oral PD in Ph. I with MK-0616 from mRNA display screen and SBDD published example: compound 44 Merck & Co.



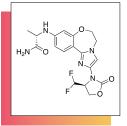
Takeda EGFR ex20 Inhibitor

EGFR exon 20 mutant inhibitor, oral once-daily Breakthrough Therapy for ex20+ NSCLC (Ph. I) from cellular screening + SBDD mobocertinib ARIAD/Takeda, Cambridge, MA

Lilly GLP Molecular Glue

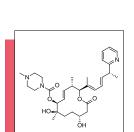
GLP-1R/GLP molecular glue agonist (PAM) oral blood glucose↓, additive w/ sitaglipin from 220k cmpd cell-based screen + PK opt. LSN3318839

Lilly Research Laboratories, Indianapolis, IN



Genentech mPI3K Degrader

isoform-selective mutant PI3K $_{\alpha}$ degrader oral <9 mg QD, Ph. III in HR+/HER2- BC from cellular characterization of PI3Ki and opt. inovalisib (GDC-0077) Genentech, South San Francisco, CA



H3Bio SF3b Splicing Modulator

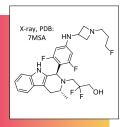
oral splicing modulator (SF3b complex) 7-20 mg 21d+/7d-, Ph. I for myeloid neoplasias from opt. of pladienolide B natural product H3B-8800

H3 Biomedicine, Cambridge, MA



BioCryst Kallikrein Inhibitor

oral plasma kallikrein serine protease inhibitor approved for prevention of HAE attacks from structure-based drug design berotralstat BioCryst, Birmingham, AL

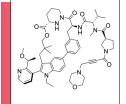


Genentech ER Degrader

selective ER degrader (SERD) + full antag. oral (30 mg QD), Ph. III for ER+, HER2- BC from profiling >4k cmpds for desired MoA giredestrant (GDC-9545) Genentech, San Francisco, US



HIGHLIGHTS FROM DRUG DISCOVERY ARTICLES PUBLISHED ONLINE



KRAS(G12C)ON-cyclophilin A tri-complex inh.

overcomes KRAS resist. mut. in PDX model natural product related (sanglifehrin); undiscl. RM-018

RevMed KRAS^{G12C} Tricomplex Inhibitor

Revolution Medicines, Redwood City, CA