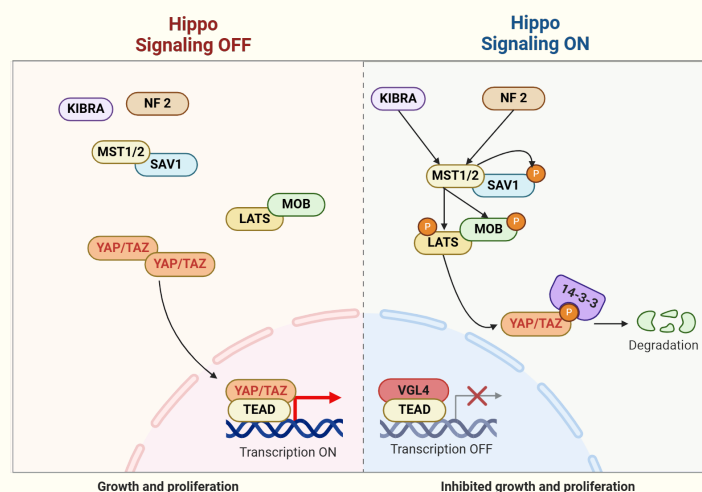




The Hippo signaling pathway is a highly conserved regulatory network, crucial for controlling organ size, tissue regeneration, and cellular proliferation. It functions by integrating extracellular and intracellular signals to modulate gene expression, primarily through the regulation of the YAP/TAZ transcriptional co-activators. The pathway is present in nearly all multicellular organisms, underscoring its essential role in maintaining tissue homeostasis and preventing tumorigenesis. Dysregulation of the Hippo pathway is associated with various cancers, fibrosis, and other pathological conditions, making it a promising therapeutic target in oncology and regenerative medicine.

Library of Hippo signaling pathway ligands comprises 58 small molecules designed to target key components of the pathway. This library includes inhibitors and activators suitable for exploring therapeutic applications in cancer treatment, tissue repair, immune modulation, and metabolic disorders.

Related terms: Hippo, STK3, STK4, LATS2, LATS1, TEF1, TEF3, TEF4

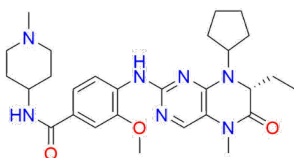


The Hippo tumor-suppressor pathway (Created by BioRender.com)

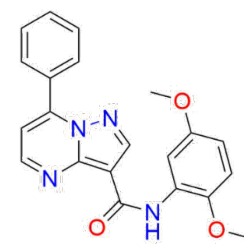
Highlights



EBC-12065
Sunitinib is a multi-targeted receptor tyrosine kinase inhibitor.



EBC-220032
BI-2536 is an inhibitor of BRD4, it also has selectivity for Plk1 over Plk2 and Plk3.



EBC-145263
The compound shows inhibitory activity against various protein kinases.

Library Composition

Name	Occurrence in the library, times
Serine/threonine-protein kinase 3	43
Serine/threonine-protein kinase 4	10
Transcriptional enhancer factor TEF-3	4
Serine/threonine-protein kinase LATS2	1
WW domain-containing transcription regulator protein 1	1