

## Small Molecule Angiogenesis Inhibitors

In the fight against cancer, innovation is key. At the forefront of this battle is the cutting-edge science of angiogenesis and the development of small molecule angiogenesis inhibitors. Angiogenesis, the process of forming new blood vessels from pre-existing ones, is crucial in both normal physiological processes like wound healing and in pathological conditions such as cancer. By targeting this process, it is possible to cut off the blood supply that tumors need to grow, offering a powerful strategy to combat cancer. The main pathways and targets involved in angiogenesis are complex and involve a range of signaling molecules, receptors, and transcription factors. Small molecule angiogenesis inhibitors interfere with the signaling pathways that promote blood vessel formation within tumors. The most important pathways targeted by our small molecule inhibitors include, vascular endothelial growth factor (VEGF), fibroblast growth factor (FGF), platelet-derived growth factor (PDGF), angiopoietin/Tie, hypoxia-inducible factor (HIF) and matrix metalloproteinases (MMPs).

### Selected Angiogenesis Inhibitors

PRODUCT NAME	PID	CAS	Inhibition
<a href="#">Ageladine A .TFA</a>	AG-CMA-1001	950766-21-9	MMPs
<a href="#">(-)-Arctigenin</a>	AG-CN2-0530	7770-78-7	MMP-2, MMP-9
<a href="#">Asiatic acid</a>	AG-CN2-0400	464-92-6	VEGFR2
<a href="#">BAY 43-9006</a>	AG-CR1-0025	284461-73-0	VEGFR2/3, PDGFR- $\beta$ , Flt-3, c-Kit, Raf-1
<a href="#">Borrelidin</a>	BVT-0098	7184-60-3	threonyl-tRNA synthetase (THrRS)
<a href="#">Cabozantinib</a>	CDX-C0755	849217-68-1	VEGFR2, c-Met, AXL, FLT3, c-Kit, RET, Tie-2
<a href="#">Cabozantinib S-malate</a>	CDX-C0698	1140909-48-3	VEGFR2, c-Met, AXL, FLT3, c-Kit, RET, Tie-2
<a href="#">Celastrol</a>	AG-CN2-0460	34157-83-0	HIF-1 $\alpha$ , VEGFR1/2
<a href="#">Chetomin</a>	BVT-0161	1403-36-7	HIF-1 $\alpha$ /p300 complex
<a href="#">CRT0066101 . HCl</a>	AG-CR1-3550	1781742-22-0	PKD1, PKD2, PKD3
<a href="#">Elaiophylin</a>	BVT-0185	37318-06-2	HIF-1 $\alpha$ , VEGFR2
<a href="#">Emodin</a>	AG-CN2-0457	518-82-1	VEGFR2, FGFR-1, EGFR, PDGFR- $\beta$ , Kit, MMP-2, MMP-9
<a href="#">(-)-Epigallocatechin gallate</a>	AG-CN2-0063	989-51-5	HIF-1 $\alpha$ , VEGFR2, MMP-2, MMP-9
<a href="#">Formononetin</a>	CDX-F0339	485-72-3	FGFR2
<a href="#">Fumagillin</a>	AG-CN2-0529	23110-15-8	MetAP2

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<a href="#">Ginkgolide B</a>	CDX-G0218	15291-77-7	PAFR
<a href="#">Hesperidin</a>	CDX-H0245	520-26-3	COX-2, MMP-2, MMP-9
<a href="#">Imatinib . mesylate</a>	AG-CR1-3725	220127-57-1	Bcr-Abl, PDGFR, c-Kit
<a href="#">Magnolol</a>	CDX-M0170	528-43-8	HIF-1 $\alpha$ , MMP2, MMP9
<a href="#">Nintedanib (free base)</a>	CDX-N0321	656247-17-5	VEGFR1/2/3, FGFR1/2/3, PDGFR $\alpha/\beta$ , Flt-3, RET
<a href="#">NVP-BE235 (Dactolisib)</a>	AG-CR1-3633	915019-65-7	PI3K, mTOR
<a href="#">Oleuropein</a>	AG-CN2-0538	32619-42-4	COX-2, MMP-2, MMP-9
<a href="#">Orantinib</a>	CDX-O0202	252916-29-3	VEGFR2, PDGFR $\beta$ , FGFR1
<a href="#">Parthenolide</a>	AG-CN2-0455	20554-84-1	VEGFR1/2, COX-2
<a href="#">Pazopanib (free base)</a>	AG-CR1-3746	444731-52-6	VEGFR1/2/3, PDGFR, c-Kit, FGFR, c-FMS
<a href="#">Pazopanib . HCl</a>	AG-CR1-3748	635702-64-6	VEGFR1/2/3, PDGFR, c-Kit, FGFR, c-FMS
<a href="#">PD 0325901</a>	AG-CR1-3711	391210-10-9	MEK1, MEK2
<a href="#">Ponatinib</a>	AG-CR1-3538	943319-70-8	PDGFR $\alpha$ , VEGFR2, FGFR1, c-Kit, RET, Tie-2, Flt-3
<a href="#">Psammaplin A</a>	AG-CN2-0088	110659-91-1	APN
<a href="#">Pseudolaric acid B</a>	AG-CN2-0083	82508-31-4	MMP9, HIF-1 $\alpha$ , VEGFR2
<a href="#">Regorafenib</a>	AG-CR1-3623	755037-03-7	VEGFR1/2/3, PDGFR $\beta$ , Kit, RET and Raf-1
<a href="#">Salicin</a>	CDX-S0001	138-52-3	COS-1, COX-2
<a href="#">Sunitinib . malate</a>	AG-CR1-3707	341031-54-7	VEGFR1/2/3, PDGFR- $\beta$ , FLK1, FLT3
<a href="#">Taspine</a>	AG-CN2-0544	602-07-3	VEGFR2
<a href="#">Terrein</a>	BVT-0193	582-46-7	VEGFR2
<a href="#">UBS109</a>	AG-CR1-3704	1258513-40-4	HIF-1 $\alpha$ , HSP90, COX-2 and VEGF
<a href="#">Vandetanib</a>	CDX-V0043	443913-73-3	RET, VEGFR1/2/3, PDGFR $\beta$ , Tie-2, FGFR1
<a href="#">Withaferin A</a>	AG-CN2-0490	5119-48-2	Vimentin
<a href="#">Wogonin</a>	AG-CN2-0064	632-85-9	VEGFR2, HIF-1 $\alpha$ , MMP-2, MMP-9
<a href="#">YC-1</a>	AG-CR1-0120	170632-47-0	HIF-1 $\alpha$

Please see our website [www.adipogen.com](http://www.adipogen.com) for additional Angiogenesis Modulators like AG13958, AMG-Tie2-1, BMS-2, BMS-540215, Brivanib alaninate, CYC116, E7080, Foretinib, JNJ-38158471, Ki20227, Motesanib, SAR-131675, Takeda-6d, or Tivozanib.