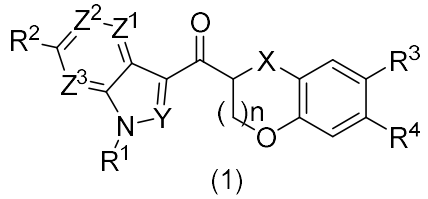
CLAIMS

1. A compound of Formula (1), a pharmaceutically acceptable salt of the compound, or a prodrug of the compound or the salt:



(1)

wherein:

X is CH_2 or O;

Y is N or CH;

Z^1, Z^2 and Z^3 each are independently N or CH;

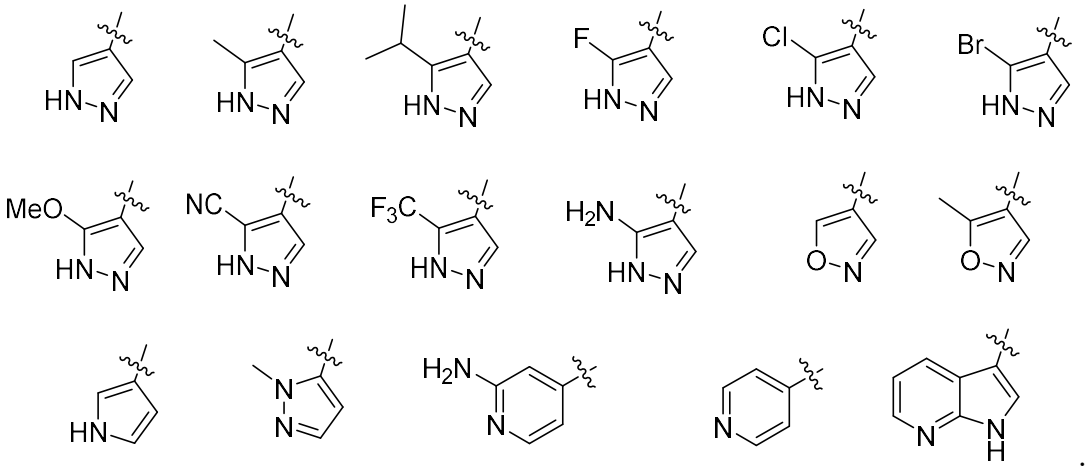
n is 0, 1, 2 or 3;

R^1 is H, C_2-C_6alkyl, or CH_2C_3-C_8cyclocloalkyl wherein the C_2-C_6alkyl or CH_2C_3-C_8cyclocloalkyl is optionally substituted with one or more substituents selected from the group consisting of C_1-C_3alkyl, hydroxyl, CN, and C_1-C_3alkoxy;

R^2 is heteroaryl or bicyclic heteroaryl, wherein the heteroaryl or bicyclic heteroaryl is optionally substituted with one or more suitable substituents selected from the group consisting of halogen, CN, CHF_2, CF_3, C_1-C_3alkyl, and amino, wherein heteroaryl, bicyclic heteroaryl has 1-3 heteroatoms selected from the group consisting of oxygen and nitrogen; and

R^3 and R^4 are independently H, Cl, F, OH, OCD^3, C_1-C_3alkyl, or C_1-C_3alkoxy, wherein the C_1-C_3alkyl or C_1-C_3alkoxy is optionally substituted with one or more suitable substituents, for example, OH or OMe, OEt, OPr^i.

2. The compound, salt, or prodrug of claim 1, wherein R^2 is selected from the following group:



3. The compound, salt, or prodrug of claim 1, wherein R^3 and R^4 are independently H, Cl, F, OH, OMe, OCD^3, OEt, OPr^i, or C_1-C_3alkyl, wherein the C_1-C_3alkyl is optionally substituted with one or more suitable substituents selected from the group consisting of OH, OMe, OEt, and OPr^i.

4. A pharmaceutical composition comprising the compound, salt, or prodrug of claim 1 and an additional component selected from the group consisting of a pharmaceutically acceptable carrier, diluent, excipient, adjuvant, and a combination thereof.

5. A compound represented by the following list, a pharmaceutically acceptable salt of the compound, or a prodrug of the compound or the salt:

(6-Chlorochroman-3-yl)-[1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chloro-2H-chromen-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)-1H-pyrrolo[2,3-b]pyridin-3-yl)(6-fluorochroman-3-yl)methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[2,3-b]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[3,2-b]pyridin-3-yl]methanone;;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxypropyl)pyrrolo[3,2-c]pyridin-3-yl]methanone

(6-Chlorochroman-3-yl)-[6-(5-chloro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-[(2R)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-(5-Chloro-1H-pyrazol-4-yl)-1-((S)-2-hydroxypropyl)-1H-pyrrolo[3,2-c]pyridin-3-yl)((S)-6-chlorochroman-3-yl)methanone;

(6-(5-Chloro-1H-pyrazol-4-yl)-1-((S)-2-hydroxypropyl)-1H-pyrrolo[3,2-c]pyridin-3-yl)((R)-6-chlorochroman-3-yl)methanone;

(6-(5-Chloro-1H-pyrazol-4-yl)-1-((S)-2-hydroxypropyl)-1H-pyrrolo[3,2-c]pyridin-3-yl)((S)-6-chlorochroman-3-yl)methanone methanesulfonic acid;

[6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-fluorochroman-3-yl)methanone;

[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxypropyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-fluorochroman-3-yl)methanone;

(6-Fluorochroman-3-yl)-[1-(2-hydroxyethyl)-6-(3-methyl-1H-pyrazol-4-yl)pyrrolo[2,3-b]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone hydrochloride;

[6-(3-Chloro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]-(6-fluorochroman-3-yl)methanone;

[[6-(3-Chloro-1H-pyrazol-4-yl)-1-[(2R)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]-(6-fluorochroman-3-yl)methanone;

[6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[2,3-b]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Fluoro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Fluoro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Fluoro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Chloro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Fluoro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[6-(5-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]-(6-methoxychroman-3-yl)methanone;

[(3S)-6-Chlorochroman-3-yl]-[6-(5-fluoro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxypropyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

[(3S)-6-Chlorochroman-3-yl]-[6-(5-fluoro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

[(3S)-6-Chlorochroman-3-yl]-[6-(5-chloro-1H-pyrazol-4-yl)-1-(2-hydroxy-2-methyl-propyl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

[(3S)-6-Chlorochroman-3-yl]-[1-[(2S)-2-hydroxypropyl]-6-(5-methoxy-1H-pyrazol-4-yl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

[(3R)-6-Chlorochroman-3-yl]-[1-[(2R)-2-hydroxypropyl]-6-(5-methoxy-1H-pyrazol-4-yl)pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(5-chloro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxybutyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(5-fluoro-1H-pyrazol-4-yl)-1-[(2S)-2-hydroxybutyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(5-fluoro-1H-pyrazol-4-yl)-1-[(3-hydroxycyclobutyl)methyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(5-chloro-1H-pyrazol-4-yl)-1-[(3-hydroxycyclobutyl)methyl]pyrrolo[3,2-c]pyridin-3-yl]methanone;

(6-Chlorochroman-3-yl)-[6-(3-chloro-1H-pyrazol-4-yl)-1-(2-hydroxypropyl)indol-3-yl]methanone;

(6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxypropyl)-1H-indol-3-yl)((S)-6-chlorochroman-3-yl)methanone;

(6-(3-Chloro-1H-pyrazol-4-yl)-1-(2-hydroxypropyl)-1H-indol-3-yl)((S)-6-chlorochroman-3-yl)methanone;

((S)-6-Chlorochroman-3-yl)(1-(2-hydroxypropyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(6-Chlorochroman-3-yl)-[1-[(2S)-2-hydroxypropyl]-6-(3-methoxy-1H-pyrazol-4-yl)indol-3-yl]methanone;

(6-Chlorochroman-3-yl)-[1-[(2R)-2-hydroxypropyl]-6-(3-methoxy-1H-pyrazol-4-yl)indol-3-yl]methanone;

(6-Chlorochroman-3-yl)-[2-(5-chloro-1H-pyrazol-4-yl)-7-[(2S)-2-hydroxypropyl]pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(2-(5-Chloro-1H-pyrazol-4-yl)-7-((S)-2-hydroxypropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)((S)-6-chlorochroman-3-yl)methanone;

(6-Chlorochroman-3-yl)-[2-(5-fluoro-1H-pyrazol-4-yl)-7-[(2S)-2-hydroxypropyl]pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(2-(5-Fluoro-1H-pyrazol-4-yl)-7-((R)-2-hydroxypropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)(6-fluorochroman-3-yl)methanone;

(2-(5-Fluoro-1H-pyrazol-4-yl)-7-((R)-2-hydroxypropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)((S)-6-fluorochroman-3-yl)methanone;

(2-(5-Fluoro-1H-pyrazol-4-yl)-7-((R)-2-hydroxypropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)((S)-6-fluorochroman-3-yl)methanone hydrochloride;

(2-(5-Fluoro-1H-pyrazol-4-yl)-7-((R)-2-hydroxypropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)((S)-6-fluorochroman-3-yl)methanone methanesulfonic acid;

(6-Fluorochroman-3-yl)(7-(2-hydroxy-2-methylpropyl)-2-(5-methoxy-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)methanone;

(6-Chlorochroman-3-yl)-[7-[(2S)-2-hydroxypropyl]-2-(5-methoxy-1H-pyrazol-4-yl)pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(6-Chlorochroman-3-yl)-[2-(5-fluoro-1H-pyrazol-4-yl)-7-(2-hydroxy-2-methyl-propyl)pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(S)-(6-Chlorochroman-3-yl)(2-(5-fluoro-1H-pyrazol-4-yl)-7-(2-hydroxy-2-methylpropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)methanone;

(S)-(6-Chlorochroman-3-yl)(2-(5-fluoro-1H-pyrazol-4-yl)-7-(2-hydroxy-2-methylpropyl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl)methanone methanesulfonic acid;

(6-Chlorochroman-3-yl)-[2-(5-chloro-1H-pyrazol-4-yl)-7-(2-hydroxy-2-methyl-propyl)pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(6-Chlorochroman-3-yl)-[7-(2-hydroxy-2-methyl-propyl)-2-(5-methoxy-1H-pyrazol-4-yl)pyrrolo[2,3-d]pyrimidin-5-yl]methanone;

(6-Chlorochroman-3-yl)(1-(2-hydroxyethyl)-6-(5-methoxy-1H-pyrazol-4-yl)-1H-pyrrolo[3,2-c]pyridin-3-yl)methanone hydrochloride;

(6-Chlorochroman-3-yl)(1-(2-hydroxyethyl)-6-(5-methoxy-1H-pyrazol-4-yl)-1H-pyrrolo[3,2-c]pyridin-3-yl)methanone methanesulfonic acid;

(2,3-Dihydrobenzo[b][1,4]dioxin-2-yl)(1-(2-hydroxyethyl)-6-(1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

Chroman-3-yl-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

2,3-Dihydro-1,4-benzodioxin-3-yl-[1-(2-hydroxyethyl)-6-(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)indol-3-yl]methanone;

[6-(3-Chloro-1*H*-pyrazol-4-yl)-1-(2-hydroxyethyl)indol-3-yl]-(2,3-dihydro-1,4-benzodioxin-3-yl)methanone;

Chroman-3-yl-[1-(2-hydroxyethyl)-6-(1*H*-pyrrolo[2,3-*b*]pyridin-3-yl)indol-3-yl]methanone;

[6-(3-Chloro-1*H*-pyrazol-4-yl)-1-(2-hydroxyethyl)indol-3-yl]-chroman-3-yl-methanone;

(6-Fluorochroman-3-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

[1-(2-Hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]-(7-methoxychroman-3-yl)methanone;

(6-Fluoro-2,3-dihydro-1,4-benzodioxin-3-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

(6-Chloro-2,3-dihydro-1,4-benzodioxin-2-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

(6-Fluoro-2,3-dihydro-1,4-benzodioxin-2-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

(6,7-Dichloro-2,3-dihydro-1,4-benzodioxin-3-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

(6-Chloro-2,3-dihydro-1,4-benzodioxin-3-yl)-[1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]methanone;

[1-(2-Hydroxyethyl)-6-(1*H*-pyrazol-4-yl)indol-3-yl]-(6-methoxy-2,3-dihydro-1,4-benzodioxin-3-yl)methanone;

[6-(3-Chloro-1*H*-pyrazol-4-yl)-1-(2-hydroxyethyl)indol-3-yl]-(6-methoxychroman-3-yl)methanone;

(6-Chlorochroman-3-yl)(6-(3-fluoro-1H-pyrazol-4-yl)-1-(2-hydroxyethyl)-1H-indol-3-yl)methanone;

(6-Chlorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(S)-(6-Chlorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(R)-(6-Chlorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(S)-(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

(R)-(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

Chroman-3-yl(1-(2-hydroxyethyl)-6-(1H-pyrazol-4-yl)-1H-indol-3-yl)methanone;

Chroman-3-yl(1-(2-methoxyethyl)-6-(1H-pyrazol-4-yl)-1H-indazol-3-yl)methanone;

(S)-(2,3-Dihydrobenzo[b][1,4]dioxin-2-yl)(1-(2-methoxyethyl)-6-(1H-pyrazol-4-yl)-1H-indazol-3-yl)methanone;

(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;;

(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(3-isopropyl-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

2-(3-(6-Chlorochromane-3-carbonyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indazol-1-yl)acetonitrile

(2,3-Dihydrobenzofuran-2-yl)(1-(2-hydroxyethyl)-6-(3-methoxy-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

(1-(2-Hydroxyethyl)-6-(3-methoxy-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)(2-methyl-2,3-dihydrobenzo[*b*][1,4]dioxin-2-yl)methanone;

Benzofuran-3-yl(1-(2-hydroxyethyl)-6-(3-methoxy-1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

(6-Chlorochroman-3-yl)(1-(2-hydroxypropyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indazol-3-yl)methanone;

(6-Chlorochroman-3-yl)(1-((R)-2-hydroxypropyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indazol-3-yl)methanone;

(6-Chlorochroman-3-yl)(1-((S)-2-hydroxypropyl)-6-(3-methoxy-1H-pyrazol-4-yl)-1H-indazol-3-yl)methanone;

(6-Fluorochroman-3-yl)(1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

(Chroman-3-yl(1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone;

(7-Fluoro-2,3-dihydrobenzo[*b*][1,4]dioxin-2-yl)(1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone; and

(7-Chloro-2,3-dihydrobenzo[*b*][1,4]dioxin-2-yl)(1-(2-hydroxyethyl)-6-(1*H*-pyrazol-4-yl)-1*H*-indazol-3-yl)methanone.

6. Use of the compound, salt, or prodrug of claim 1 in the manufacture of a medicament for treating a disease that can be treated by inhibition of a ROCK enzyme.

7. Use of the compound, salt, or prodrug of claim 1 in the manufacture of a medicament for treating or alleviating a fibrotic disorder, a cardiovascular disease or disorder, an inflammatory disease or disorder, or a proliferative disease or disorder.

8. The use of claim 7, wherein the fibrotic disorder is pulmonary fibrosis selected from the group consisting of cystic and idiopathic pulmonary fibrosis, radiation induced lung injury, liver fibrosis including cirrhosis, cardiac fibrosis including arterial fibrosis, endomyocardial fibrosis, old myocardial infraction, arterial stiffness, atherosclerosis, restenosis, arthrofibrosis, Crohn's disease, myelofibrosis, Peyronie's diseases, nephrogenic systemic fibrosis, progressive massive fibrosis, retroperitoneal cavity fibrosis, schleroderma/systemic sclerosis, mediastinal fibrosis, Keloids and hypertrophic scars, glial scaring, and renal fibrosis.

9. The use of claim 7, wherein the cardiovascular disease or disorder is selected from the group consisting of angina, atherosclerosis, cerebral vasospasm, cerebrovascular contraction, coronary vasospasm, endothelial dysfunction, erectile dysfunction, glaucoma, hypertension, ischemic/reperfusion injury, myocardial hypertrophy, myocardial infarction, peripheral circulation disorder, pre-term labor, Raynaud's Disease, renal disease, and stroke.

10. The use of claim 7, wherein the proliferative disease or disorder is an invasive or metastatic cancer selected from the group consisting of adenocarcinoma, adrenocortical cancer, bladder cancer, bone cancer, brain cancer, breast cancer, cancer of the buccal cavity, cervical cancer, colon cancer, colorectal cancer, endometrial or uterine carcinoma, epidermoid carcinoma, esophageal cancer, eye cancer, follicular carcinoma, gallbladder cancer, gastrointestinal cancer, cancer of the genitourinary tract, glioblastoma, hairy cell carcinoma, head and neck cancer, hepatic carcinoma, hepatocellular cancer, Hodgkin's disease, keratoacarithoma, kidney cancer, large cell carcinoma, cancer of the large intestine, laryngeal cancer, liver cancer, adenocarcinoma of the lung, small-cell lung cancer, squamous carcinoma of the lung, non-small cell lung cancer, melanoma, a myeloproliferative disorder, neuroblastoma, ovarian cancer, papillary carcinoma, pancreatic cancer, cancer of the peritoneum, prostate cancer, rectal cancer, salivary gland carcinoma, sarcoma, squamous cell cancer, small cell carcinoma, cancer of the small intestine, stomach cancer, testicular cancer, thyroid cancer, and vulval cancer.