MMP inhibitors
Examples of MMPs-active chelators from [*]

MMPs inhibitors: chelating agents

ChemDiv C723-0375
ChemDiv F701-0511
ChemDiv cmpds

ChemDiv 0590-0375
Topological analogs: examples

MMP-13 inhibitor
ChemDiv
K292-1885
MMP-9, MMP-13 inhibitor
ChemDiv
T854-0311
Collagenase Inhibitor
ChemDiv
Y041-5239
MMP-9 production inhibitor
WO 2010050461
MMP-9, MMP-13 inhibitor
ChemDiv
4469-0599
MMP-2/MMP-13 inhibitor
WO 2009118292
MMP-13 inhibitor
ChemDiv
G843-0083
MMP-13 inhibitor
ChemDiv
D256-0840
MMP-9, MMP-13 inhibitor
WO 2012162468
Collagenase Inhibitor
ChemDiv
4469-0599
MMP-13 inhibitor
ChemDiv
Y041-5239
Topological analogs: examples

Ref Compounds (examples)

Sulphonamide is believed to be a pharmacophore and positive inducement for MMP inhibition.

1,3-dithiane ring is hoped to play a role in substrate recognition.

Both carbonyl O and R₂ group are utilized as ZBGs, with anticipation of obtaining enhanced affinity.

ChemDiv Analogues
Targeting MMP-13 S1'-S1″ binding sites

Ref Compounds (examples)

ChemDiv analogs

O-dealkylation (CYP450)
CYP450 oxidation
Targeting MMP-13 S1'-S1'' binding sites

Ref Compounds (examples)

ChemDiv analogs
Ref Compounds (examples)

Targeting MMP-13 S1'-S1'' binding sites

ChemDiv analogs
Targeting MMP-13 S1′-S1″ binding sites

Ref Compounds (examples)

ChemDiv analogs
Targeting MMP-13 S1'-S1'' binding sites

ChemDiv analogs

Ref Compounds (examples)
Targeting MMP-13 S1'-S1” binding sites: other examples

ChemDiv cmpds

N-Dealkylation (CYP450)

RO/Urea precursor

CYP450 Oxidation

O-Dealkylation

[O]CYP450