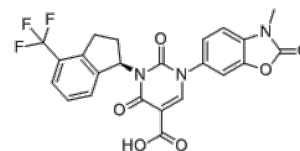


Product Name : Fulacimstat
Cat. No. : PC-60514
CAS No. : 1488354-15-9
Molecular Formula : C₂₃H₁₆F₃N₃O₆
Molecular Weight : 487.39
Target : Other Targets
Solubility : 10 mM in DMSO



1. Kanefendt F, et al. *Clin Pharmacol Drug Dev.* 2018 Jun 7. doi: 10.1002/cpdd.579.
2. Hanna Tinel, et al. Abstract 13624: A Novel Chymase Inhibitor BAY 1142524 Reduces Fibrosis and Improves Cardiac Function after Myocardial Infarction in Hamster. *Circulation.* 2017;136:13624-13631.

Biological Activity

Fulacimstat (BAY 1142524, BAY1142524) is a potent, orally available **chymase** inhibitor with IC₅₀ of 4 nM and 3 nM for human and hamster chymase enzyme, respectively.

Fulacimstat (BAY 1142524) blocks the generation of profibrotic chymase-dependent factors such as Ang II, ET-1, and TGF-β1 in vitro with a nanomolar IC₅₀.

Fulacimstat (BAY 1142524) reduces isoprenaline-induced cardiac fibrosis and attenuates the deterioration of heart function after MI, increases left-ventricular ejection fraction in dogs with LVD induced by intracoronary microembolization with no effects on blood pressure or heart rate.

References

