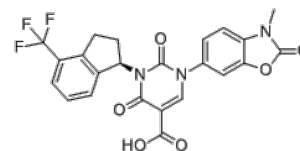


**Product Name** : Fulacimstat  
**Cat. No.** : PC-60514  
**CAS No.** : 1488354-15-9  
**Molecular Formula** : C<sub>23</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>6</sub>  
**Molecular Weight** : 487.39  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



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;136:1362-1369.

## Biological Activity

Fulacimstat (BAY 1142524, BAY1142524) is a potent, orally available **chymase** inhibitor with IC<sub>50</sub> 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 IC<sub>50</sub>.

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

