

Product Name	: Fulacimstat
Synonyms	: BAY 1142524;BAY1142524;BAY-1142524
Cat No.	: M12057
CAS Number	: 1488354-15-9
Molecular Formula	: C ₂₃ H ₁₆ F ₃ N ₃ O ₆
Formula Weight	: 487.39
Chemical Name	: 1-(3-methyl-2-oxo-1,3-benzoxazol-6-yl)-2,4-dioxo-3-[(1R)-4-(trifluoromethyl)-2,3-dihydro-1H-inden-1-yl]pyrimidine-5-carboxylic acid
Description	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; blocks the generation of profibrotic chymase-dependent factors such as Ang II, ET-1, and TGF-β1 in vitro with a nanomolar IC₅₀; 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. Other Indication Phase 2 Clinical
Pathway	: Others
Target	: Other Targets
Receptor	: Other Targets
Solubility	: DMSO : 5 mg/mL 10.26 mM
SMILES	: <chem>O=C(C1=CN(C2=CC=C3N(C)C(OC3=C2)=O)C(N([C@@H]4CCC5=C4C=CC=C5C(F)(F)F)C1=O)=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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:A13624.