

Product Name	: Losmapimod
Synonyms	: GSK-AHAB;GW856553X;SB856553;GW 856553X;SB856553
Cat No.	: M15150
CAS Number	: 585543-15-3
Molecular Formula	: C ₂₂ H ₂₆ FN ₃ O ₂
Formula Weight	: 383.46
Chemical Name	: 3-Pyridinecarboxamide, 6-[5-[(cyclopropylamino)carbonyl]-3-fluoro-2-methylphenyl]-N-(2,2-dimethylpropyl)-
Description	Losmapimod (GSK-AHAB, GW856553X, SB856553) is a selective, potent, orally active p38 MAPK inhibitor with pK_i of 8.1 and 7.6 for p38α and p38β, respectively; displays no significant activity for p38γ, p38δ (<25% inhibition at 10 uM), and COX-2; significantly and dose-dependently improves survival, endothelial-dependent and -independent vascular relaxation in rat model of cardiovascular disease. Ischemia Phase 3 Clinical
Pathway	: MAPK/ERK Signaling
Target	: p38 MAPK
Receptor	: p38α;p38β
Solubility	: DMSO: ≥ 58 mg/mL
SMILES	: <chem>O=C(C1=CC=C(C2=CC(C(NC3CC3)=O)=CC(F)=C2C)N=C1)NCC(C)(C)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Willette RN, et al. J Pharmacol Exp Ther. 2009 Sep;330(3):964-70. 2. Cheriyan J, et al. Circulation. 2011 Feb 8;123(5):515-23. 3. Lomas DA, et al. J Clin Pharmacol. 2012 Mar;52(3):416-24.