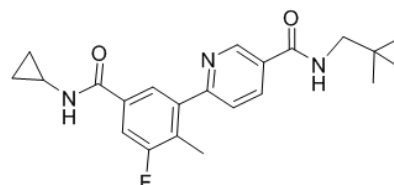


**Product Name** : Losmapimod  
**Cat. No.** : PC-42564  
**CAS No.** : 585543-15-3  
**Molecular Formula** : C<sub>22</sub>H<sub>26</sub>FN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 383.4591  
**Target** : p38 MAPK  
**Solubility** : DMSO: ≥ 58 mg/mL



## Biological Activity

Losmapimod (GSK-AHAB, GW856553X, SB856553) is a selective, potent, orally active **p38 MAPK** inhibitor with pK<sub>i</sub> of 8.1 and 7.6 for p38α and p38β, respectively.

Losmapimod (GSK-AHAB, GW856553X, SB856553) displays no significant activity for p38γ, p38δ (<25% inhibition at 10 μM), and COX-2.

Losmapimod (GSK-AHAB, GW856553X, SB856553) significantly and dose-dependently improves survival, endothelial-dependent and -independent vascular relaxation in rat model of cardiovascular disease.

## References

Willette RN, et al. *J Pharmacol Exp Ther*. 2009 Sep;330(3):964-70.

Cheriyian J, et al. *Circulation*. 2011 Feb 8;123(5):515-23.

Lomas DA, et al. *J Clin Pharmacol*. 2012 Mar;52(3):416-24.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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