
Product Name	: MMI-0100	YARAAARQARAKALARQLGVAA
Cat. No.	: PC-38783	
CAS No.	: 1039342-24-9	
Molecular Formula	: C ₉₈ H ₁₇₁ N ₃₇ O ₂₆	
Molecular Weight	: 2283.64	
Target	: MAPKAPK2 (MK2)	
Solubility	: 5 mM in PBS	

Biological Activity

MMI-0100 is a cell-permeant peptide inhibitor of **MAPKAP kinase 2** (MK2), inhibits MK2 and downstream fibrosis and inflammation.

MMI-0100 prevents vein graft intimal thickening ex vivo and in vivo.

MMI-0100 inhibits cardiac fibrosis in myocardial infarction by direct actions on cardiomyocytes and fibroblasts via MK2 inhibition.

MMI-0100 treatment reduced cardiac fibrosis, decreased cardiac hypertrophy, and prolonged survival in fibrotic cMyBPC40k disease mice model.

References

Akihito Muto, et al. *Vascul Pharmacol*. Jan-Feb 2012;56(1-2):47-55.

Meng Q, et al. *J Am Heart Assoc*. 2017 Sep 4;6(9):e006590.

Xu L, et al. *J Mol Cell Cardiol*. 2014 Dec;77:86-101.

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

E-mail: tech@probechem.com
