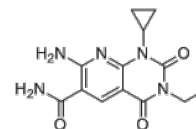


Product Name : A-484954
Cat. No. : PC-70180
CAS No. : 142557-61-7
Molecular Formula : C₁₃H₁₅N₅O₃
Molecular Weight : 289.29
Target : Eukaryotic Initiation Factor (eIF)
Solubility : 10 mM in DMSO



Biological Activity

A-484954 (A484954) is a highly selective, small molecule eukaryotic elongation factor 2 kinase (**eEF2K**) inhibitor with IC₅₀ of 0.28 μM.

A-484954 inhibits eEF2K and reduces eEF2 phosphorylation with little effect on cancer cell growth.

A-484954 inhibits MCT-induced PA hypertrophy and fibrosis in rats, inhibits MCT-induced NOX1 expression, ROS generation and MMP-2 activation.

References

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Edupuganti R, et al. *Bioorg Med Chem*. 2014 Sep 1;22(17):4910-6.

Kameshima S, et al. *Am J Physiol Heart Circ Physiol*. 2015 May 15;308(10):H1298-305.

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

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