
Product Data Sheet

Product Name: Cyclic MKEY

Cat. No.: GC35777

Chemical Properties

Cas. No. 934385-55-4

Formula $C_{113}H_{174}N_{28}O_{34}S_2$

M.Wt 2532.89

Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Cyclic MKEY is a synthetic cyclic peptide inhibitor of CXCL4-CCL5 heterodimer formation, which protects against atherosclerosis and aortic aneurysm formation by mediating inflammation. Cyclic MKEY also protects against stroke-induced brain injury in mice[1] [2]. CXCL4-CCL5 heterodimer formation[1]

[1]. Fan Y, et al. MKEY, a Peptide Inhibitor of CXCL4-CCL5 Heterodimer Formation, Protects Against Stroke in Mice. J Am Heart Assoc. 2016 Sep 15;5(9). pii: e003615. [2]. lida Y, et al. Peptide inhibitor of CXCL4-CCL5 heterodimer formation, MKEY, inhibits experimental aortic aneurysm initiation and progression. Arterioscler Thromb Vasc Biol. 2013 Apr;33(4):718-26.

Caution: Product has not been fully validated for medical applications. For research use only.

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