

Product Data Sheet

Product Name: RNAENFDRF TFA

Cat. No.: GC64500

Chemical Properties

Cas. No.

Formula C₅₂H₇₄F₃N₁₇O₁₈

M.Wt 1282.24

Solubility Water : 50 mg/mL (38.99 mM; Need ultrasonic) Storage -20°C, away from moisture

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

RNAENFDRF (TFA)

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

RNAENFDRF TFA is a peptide of SAM β A. RNAENFDRF TFA selectively antagonizes Mfn1- β IIPKC association. RNAENFDRF TFA protects cultured neonatal and adult cardiac myocytes, but not Mfn1 knockout cells, from stress-induced death. RNAENFDRF TFA re-establishes mitochondrial morphology and function and improves cardiac contractility in rats with heart failure[1].

[1]. Ferreira JCB, et al. A selective inhibitor of mitofusin 1- β IIPKC association improves heart failure outcome in rats. Nat Commun. 2019;10(1):329.

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