

Product Data Sheet

Product Name: CKGGRAKDC (linear) TFA

Cat. No.: GC81645

Chemical Properties

Cas. No.

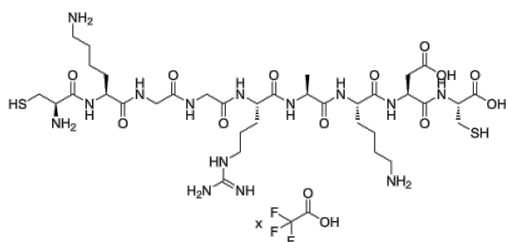
Formula $C_{35}H_{64}N_{14}O_{12}S_2 \cdot xC_2HF_3O_2$ M.Wt 937.1

Solubility DMSO: ≥ 100 mg/mL Storage Sealed storage, 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



Background

CKGGRAKDC (linear) TFA is an adipose tissue homing peptide. CKGGRAKDC (linear) TFA binds to vasculature-enriched prohibitin in adipose tissue to enable selective tissue targeting. CKGGRAKDC (linear) TFA can be used to selective delivery of cargos to adipose tissues [1].

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

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In Vitro, CKGGRAKDC (linear) TFA promotes the selective enrichment of coupled liposome nanoparticles in adipose tissue and reduces their retention in non-adipose tissues^[1].

References:

[1]. Chen K, et al. Adipose-targeted triiodothyronine therapy counteracts obesity-related metabolic complications and atherosclerosis with negligible side effects. Nat Commun. 2022;13(1):7838. Published 2022 Dec 20.

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