

Product Data Sheet

Product Name: cRGDfK-thioacetyl ester TFA

Cat. No.: GC74401

Chemical Properties

Cas. No.

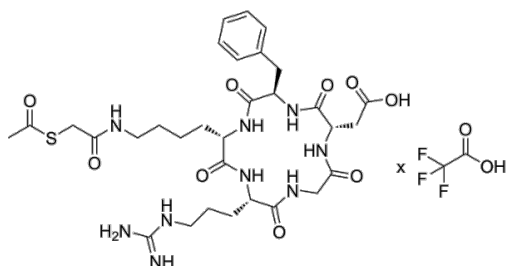
Formula $C_{31}H_{45}N_9O_9S \cdot xC_2HF_3O_2$ M.Wt 719.81 (free base)

Solubility DMSO : ≥ 100 mg/mL Storage Sealed storage, away from moisture and light

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

cRGDfK-thioacetyl ester TFA is a bioactive polypeptide molecule. cRGDfK peptide has a selective affinity for integrins. cRGDfK peptide can modify NIR fluorescent probes for cancer targeting imaging.

References:

[1]. Toti US, et al. Interfacial activity assisted surface functionalization: a novel approach to incorporate maleimide functional groups and cRGD peptide on polymeric nanoparticles for targeted drug delivery. Mol Pharm. 2010 Aug 2;7(4):1108-17.

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

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[2]. Gamage RS, et al. Comparison of cRGDfK Peptide Probes with Appended Shielded Heptamethine Cyanine Dye (s775z) for Near Infrared Fluorescence Imaging of Cancer. ACS Omega. 2021 Oct 30;6(44):30130-30139.

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