Product Data Sheet

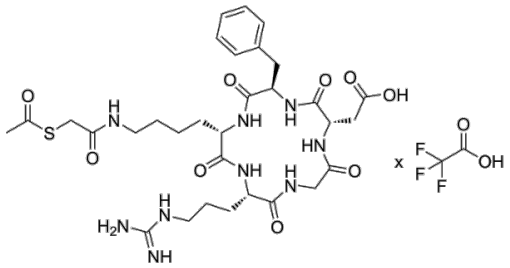
Product Name: cRGDfK-thioacetyl ester TFA
Cat. No.: GC74401

Chemical Properties

Cas. No.

Formula	$C_{31}H_{45}N_9O_9S.xC_2HF_3O_2$	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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