

Product Data Sheet

Product Name: Foxy-5 (TFA)

Cat. No.: GC36074

Chemical Properties

Cas. No.

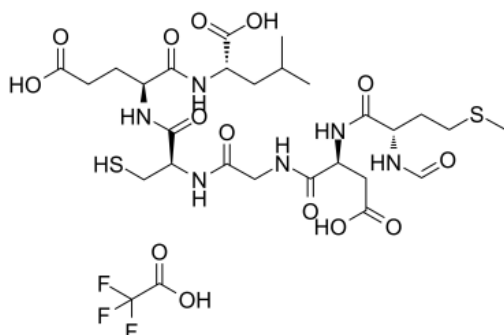
Formula $C_{28}H_{43}F_3N_6O_{14}S_2$ M.Wt 808.8

Solubility Water: 20 mg/mL (24.73 mM) 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

Foxy-5 is a WNT5A mimicking peptide with anti-metastatic effect, which lacks a heparan sulfate-binding domain. Foxy-5 triggers cytosolic free calcium signaling without affecting β -catenin activation and it impairs the migration and invasion of epithelial cancer cells[1][2][3].

[1]. Canesin G, et al. Treatment with the WNT5A-mimicking peptide Foxy-5 effectively reduces the metastatic spread of WNT5A-low prostate cancer cells in an orthotopic mouse model. PLoS One. 2017 Sep 8;12(9):e0184418. [2]. S  fholm A, et al. The Wnt-5a-derived hexapeptide Foxy-5 inhibits breast cancer metastasis in vivo by targeting cell motility. Clin Cancer Res. 2008 Oct 15;14(20):6556-

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

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63. [3]. Kelsey R. Prostate cancer: Foxy-5 in prostate cancer model. Nat Rev Urol. 2017 Nov;14(11):638.

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