
Product Data Sheet

Product Name: Foxy-5
Cat. No.: GC36073

Chemical Properties

Cas. No. 881188-51-8

Formula $C_{26}H_{42}N_6O_{12}S_2$ M.Wt 694.77

Solubility Soluble in DMSO 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 peptide mimetic with anticancer activity.^{1,2} It increases adhesion and reduces cell motility of MDA-MB-468 breast cancer cells when used at concentrations ranging from 1 to 1,000 μ M.¹ Foxy-5 (2 mg/kg) reduces the number of lymph node metastases without affecting primary tumor growth in a DU145-Luc mouse xenograft model.²

1. S?holm, A., Leandersson, K., Dejmek, J., et al. A formylated hexapeptide ligand mimics the ability of Wnt-5a to impair migration of human breast epithelial cells. *Biol. Chem.* 281(5):2740-2749 (2006)
2. Canesin, G., Evans-Axelsson, S., Hellsten, R., 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* 12(9):e0184418 (2017)

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

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