

For Research Use Only

TC14012 acetate



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Catalog Number: CM13707

产品信息

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CM13707

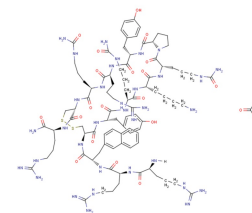
分子量:
2126.47

CAS号:
TP2112L

分子式:
 $C_{92}H_{144}N_{34}O_{21}S_2$

主要靶点:
CXCR

主要通路:
G蛋白偶联受体|自噬|免疫与炎症



靶点活性

CXCR4:19.3 nM|CXCR7:350 nM (EC50)

体外活性

TC14012 (1 mM) inhibits more than 95% the infection of the CXCR4-expressing cells by the HXB2 (X4) or 89.6 (dual-tropic) strain. TC14012 (1 mM) does not inhibit all the infection of the CCR5-expressing cells by the SF162 (R5) or 89.6 (dual-tropic) strain. TC14012 leads to erk 1/2 phosphorylation in U373 cells, which express endogenous CXCR7 but not CXCR4. CXCR7 and the CXCR7-Cter4 chimera are able to recruit arrestin upon stimulation with TC14012 whereas CXCR4 and CXCR4-Cter7 remain silent.

描述

TC14012 acetate is a serum-stable derivative of T140 which is a selective and peptidomimetic CXCR4 antagonist with an IC50 of 19.3 nM. TC14012 is also a potent CXCR7 agonist with an EC50 of 350 nM for recruiting β -arrestin 2 to CXCR7. TC14012 has anti-cancer activity and anti-HIV activity.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

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