

Dihexa

产品编号: D51166

CAS: 1401708-83-5

分子式: C₂₇H₄₄N₄O₅

纯度: ≥98%

InChi: InChI=1S/C27H44N4O5/c1-4-6-8-12-24(34)30-22(18-20-13-15-21(32)16-14-20)26(35)31-25(19(3)5-2)27(36)29-17-10-7-9-11-23(28)33/h13-16,19,22,25,32H,4-12,17-18H2,1-3H3,(H2,28,33)(H,29,36)(H,30,34)(H,31,35)/t19-,22-,25-/m0/s1

InChi Key: XEUVNVNAVKZSPT-JTJYXVOQSA-N

Smiles: C[C@@H](CC)[C@H](NC(=O)[C@H](CC1=CC=C(O)C=C1)NC(=O)CCCCC)C(=O)NCCCCC(N)=O

外观: 固体粉末

溶解性: DMSO (Slightly), Methanol (Slightly)

保存条件: -20°C储存。

产品介绍: Dihexa, also known as PNB-0408, N-hexanoic-Tyr-Ile-(6) aminohexanoic amide, is an oligopeptide drug derived from angiotensin IV that binds with high affinity to hepatocyte growth factor (HGF) and potentiates its activity at its receptor, c-Met. Dihexa has been found to potentially improve cognitive function in animal models of Alzheimer's disease-like mental impairment. In an assay of neurotrophic activity, Dihexa was found to be seven orders of magnitude more potent than brain-derived neurotrophic factor.

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分子式: C₂₇H₄₄N₄O₅

分子量: 504.662

纯度: ≥98%

溶解性: soluble in DMSO

产品描述: Dihexa 是一种有口服活性的, 可渗透血脑屏障的, 血管紧张素IV类似物, 对肝细胞生长因子 (HGF) 具有高亲和力, Kd值为 65 pM。Dihexa以高亲和力结合HGF,并且dihexa及其母体化合物Norleucine 1-AngIV在亚阈值浓度的HGF存在下诱导c-Met磷酸化并增加HGF依赖性细胞散射。此外,dihexa和Nle1-AngIV诱导海马脊柱发生和突触发生, 类似于HGF本身。Dihexa在1μM时有效抑制HGF二聚化。