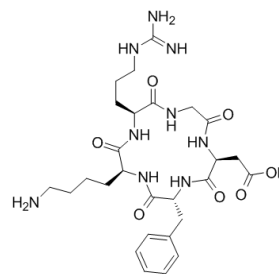


Product Name : Cyclo(-RGDfK)
Synonyms : Cyclo(RGDfK) peptide; Cyclic RGDfK peptide
Cat No. : M12350
CAS Number : 161552-03-0
Molecular Formula : C₂₇H₄₁N₉O₇
Formula Weight : 603.67
Chemical Name : Cyclo(L-arginylglycyl-L-α-aspartyl-D-phenylalanyl-L-lysyl)



Description : A RGD pipetide, potent and selective αβ3 integrin inhibitor with K_d of 41.7 nM; shows strong inhibitory effect on the proliferation of T-24 cells; induces less tumor progression, less tumor metabolic activity, fewer intratumoral vessels in mice model.
Pathway : Cell Cycle/DNA Damage
Target : Integrin
Receptor : αVβ3 integrin
Solubility : DMSO: ≥150 mg/mL
SMILES : C1C(=O)NC(C(=O)NC(C(=O)NC(C(=O)NC(C(=O)N1)CCCN=C(N)N)CCCCN)CC2=CC=CC=C2)CC(=O)O
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1. Sancey L, et al. Mol Ther. 2009, 17(5), 837-843. | 2. Zhou D, et al. J Control Release. 2013, 169(3), 204-210. | 3. Vilchis-Juarez A, et al. J Biomed Nanotechnol. 2014 Mar; 10(3):393-404.