

Product Name : BIO-5192

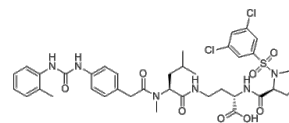
Synonyms : BIO5192

Cat No. : M14065

CAS Number : 327613-57-0

Molecular Formula : C₃₈H₄₆Cl₂N₆O₈S

Formula Weight : 817.78



Chemical Name : (2S)-2-[[[(2S)-1-[(3,5-Dichlorophenyl)sulfonyl]-2-pyrrolidinyl]carbonyl]amino]-4-[[[(2S)-4-methyl-2-[methyl[2-[4-[[[(2-methylphenyl)amino]carbonyl]amino]phenyl]acetyl]amino]-1-oxopentyl]amino]butanoic acid

Description : A potent, highly selective inhibitor of integrin $\alpha 4 \beta 1$ (VLA-4) with K_d of <10 pM, IC₅₀ of 1.8 nM; displays selectively over a range of other integrins (IC₅₀ are 138, 1053, > 500 and > 10,000 nM for $\alpha 9 \beta 1$, $\alpha 2 \beta 1$, $\alpha 4 \beta 7$ and $\alpha 11 \beta 3$, respectively); mobilizes hematopoietic stem and progenitor cells (HSPCs) alone or combined with plerixafor (AMD3100). Multiple Sclerosis Discontinued

Pathway : Cell Cycle/DNA Damage

Target : Integrin

Receptor : Integrin

Solubility : —

SMILES : Cc1ccccc1NC(=O)Nc2ccc(cc2)CC(=O)N(C)[C@@H](CC(C)C)C(=O)NCC[C@@H](C(=O)O)NC(=O)[C@@H](C)CCCN3S(=O)(=O)c4cc(cc(c4)Cl)Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Leone DR, et al. J Pharmacol Exp Ther. 2003 Jun;305(3):1150-62. 2. Theien BE, et al. Blood. 2003 Dec 15;102(13):4464-71. 3. Ramirez P, et al. Blood. 2009 Aug 13;114(7):1340-3. 4. Bao F, et al. Exp Neurol. 2008 Dec;214(2):160-7.