Product Data Sheet

Product Name: R-BC154
Cat. No.: GC50326

Chemical Properties

Cas. No.			
SMILES	CCN(C1=CC2=[O+]C3=C(C(C4=C(S([O-])(=O)=O)C=C(S(=O)(NCC5=CN([C@@H]6C[C@@H](C(N[C@H](C(O)=O)CC7=CC=C(C=C7)OC(N8CCCC8)=O)=O)N(S(=O)(C9=CC=CC=C9)=O)C6)N=N5)=O)C=C4)=C2C=C1)C=CC(N(CC)CC)=C3)CC.CC(O)=O		
Formula	$C_{55}H_{61}N_9O_{13}S_3.CH_3CO_2H$	M.Wt	1212.37
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	R-BC154		

Background

High affinity fluorescent α4β1/α9β1 inhibitor (Kd values are 12.7 and 38 nM, respectively); fluorescent version of BOP (Cat.No. 6047). Rapidly and preferentially mobilizes HSCs and progenitors in vivo. Excitation maximum, 561 nm; emissiosn maximum, 585 nm.

Cao et al (2014) Design, synthesis and binding properties of a fluorescent α9β1/α4β1 integrin antagonist and its application as an in vi Org.Biomol.Chem. 12 965 PMID:24363056 |Cao et al (2016) Therapeutic targeting and rapid mobilization of endosteal HSC using a small molecule integrin antagonist. Nat.Commun. 7 11007 PMID:26975966

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