

R-BC154

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	R-BC154 is a high affinity fluorescent $\alpha 4\beta 1/\alpha 9\beta 1$ inhibitor (Kd values are 12.7 and 38 nM, respectively); fluorescent version of BOP. Rapidly and preferentially mobilizes HSCs and progenitors in vivo. Excitation maximum, 561 nm; emission maximum, 585 nm.
Targets(IC50)	Others

## Reference

Cao et al (2014) Design, synthesis and binding properties of a fluorescent  $\alpha 9\beta 1/\alpha 4\beta 1$  integrin antagonist and its application as an in vivo probe for bone marrow haemopoietic stem cells. 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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