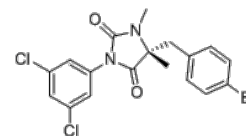


Product Name : BIRT-377
Cat. No. : PC-73252
CAS No. : 213211-10-0
Molecular Formula : C₁₈H₁₅BrCl₂N₂O₂
Molecular Weight : 442.13
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

BIRT-377 (BIRT377) is a potent, orally active negative allosteric modulator of **LFA-1** (lymphocyte function-associated antigen-1) with K_d of 26 nM.

BIRT-377 (BIRT377) binds to the I-domain of LFA-1.

BIRT-377 reversibly inhibits LFA-1 mediated binding of SKW3 leukemia cells to ICAM-1.

BIRT-377 (BIRT377) inhibits superantigen (SEB)-induced IL-2 production from lymphocytes in vitro.

BIRT-377 (BIRT377) attenuates the SEB-induced increase in IL-2 plasma levels in a mouse model in vivo.

References

Chowdari NS, et al. *Org Lett.* 2005 Mar 3;7(5):867-70.

Larson RS, et al. *Biochemistry.* 2005 Mar 22;44(11):4322-31.

Sanchez JJ, et al. *Acta Neuropathol Commun.* 2019 Apr 8;7(1):54.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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