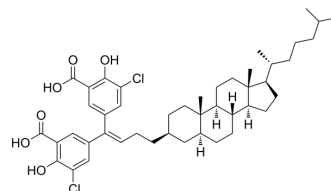


Cosalane

Cat. No.:	HY-120427
CAS No.:	154212-56-3
Molecular Formula:	C ₄₅ H ₆₀ Cl ₂ O ₆
Molecular Weight:	767.86
Target:	CCR; HIV; CCR; HIV
Pathway:	GPCR/G Protein; Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cosalane (NSC 658586) is a potent inhibitor of HIV replication. Cosalane has an intrinsic ability to block human and murine CCR7 function in vitro in response to both of its natural ligands, CCL19 and CCL21, with the IC ₅₀ of 0.207/2.66 μM in human for CCL19/CCL21 and 0.193/1.98 μM in murine, respectively ^{[1][2]} .	
IC₅₀ & Target	Human CCR7	Murine CCR7

REFERENCES

[1]. Kenneth A Fowler, et al. The Ex Vivo Treatment of Donor T Cells with Cosalane, an HIV Therapeutic and Small-Molecule Antagonist of CC-Chemokine Receptor 7, Separates Acute Graft-versus-Host Disease from Graft-versus-Leukemia Responses in Murine Hematopoietic Stem Cell Transplantation Models. *Biol Blood Marrow Transplant.* 2019 Jun;25(6):1062-1074.

[2]. Emily A Hull-Ryde, et al. Identification of Cosalane as an Inhibitor of Human and Murine CC-Chemokine Receptor 7 Signaling via a High-Throughput Screen. *SLAS Discov.* 2018 Dec;23(10):1083-1091.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA