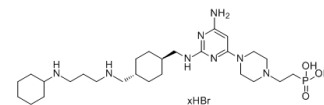


Burixafor hydrobromide

Cat. No.:	HY-19867A
CAS No.:	1191450-19-7
Molecular Formula:	C ₂₇ H ₅₁ N ₈ O ₃ P.xHBr
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Burixafor hydrobromide (TG-0054 hydrobromide) is an orally bioavailable and potent antagonist of **CXCR4** and a well water soluble anti-angiogenic drug that is of potential value in treating choroid neovascularization^[1]. Burixafor hydrobromide (TG-0054 hydrobromide) mobilizes mesenchymal stem cells, attenuates inflammation, and preserves cardiac systolic function in a porcine model of myocardial infarction^[2].

IC₅₀ & Target

CXCR4

REFERENCES

[1]. Shelke NB, et al. Intravitreal Poly(L-lactide) Microparticles Sustain Retinal and Choroidal Delivery of TG-0054, a Hydrophilic Drug Intended for Neovascular Diseases. *Drug Deliv Transl Res.* 2011 Feb;1(1):76-90.

[2]. Hsu WT, et al. CXCR4 Antagonist TG-0054 Mobilizes Mesenchymal Stem Cells, Attenuates Inflammation, and Preserves Cardiac Systolic Function in a Porcine Model of Myocardial Infarction. *Cell Transplant.* 2015;24(7):1313-28.

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

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