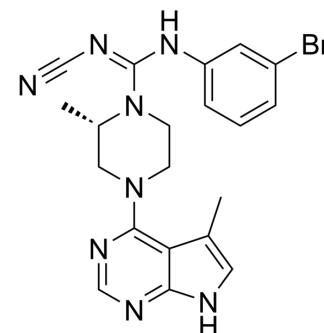


LIMK-IN-1

Cat. No.:	HY-14227
CAS No.:	1116571-01-7
Molecular Formula:	C ₂₀ H ₂₁ BrN ₈
Molecular Weight:	453.34
Target:	LIM Kinase (LIMK); ROCK
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LIMK-IN-1 (Compound 14) is an inhibitor of LIM-Kinase (LIMK), with IC ₅₀ s of 0.5 nM and 0.9 nM for LIMK1 and LIMK2, respectively. LIMK-IN-1 can be used for ocular hypertension and associated glaucoma research ^[1] .			
IC₅₀ & Target	LIMK1 0.9 nM (IC ₅₀)	LIMK2 0.5 nM (IC ₅₀)	ROCK1 260 nM (IC ₅₀)	ROCK2 2700 nM (IC ₅₀)
In Vitro	LIMK-IN-1 (Compound 14) (100 nM) increases outflow facility by about 30% in a pig eye perfusion assay ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. Harrison BA, et.al. Novel class of LIM-kinase 2 inhibitors for the treatment of ocular hypertension and associated glaucoma. J Med Chem. 2009 Nov 12;52(21):6515-8.

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